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MORTALITY FROM MALARIA, 1919-1923.

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Owing to the peculiar interest which attaches to malaria on account of its widespread distribution, its economic importance, and the possibilities of control through organized public health effort, the mortality figures for this disease are of special interest. Registration has only recently become sufficiently complete in some of the Southern States to render this source of information available. In an article¹ published in the Public Health Reports in 1923 a study was made of the intensities of geographic distribution and the trend of malaria in certain States, based on the three-year period 1919-1921. The period of observation has now been lengthened to five years—1919-1923—and this material has been reviewed in the light of the longer experience.

In general, the observations made concerning the geographic distribution of the disease have been confirmed. The average annual mortality rate from malaria for the different counties in each State has changed somewhat, of course, necessitating reclassification of the malaria problem in some few instances from "serious" to "moderate" or "moderate" to "none or slight" or, in some instances, in the reverse direction, tending to smooth and make more consistent the results. The differences are not sufficiently great, however, to affect materially the general distribution of the disease in the coastal plain of the United States as indicated by the previous report.

The observations, however, made regarding the apparent trend of malaria mortality in the several States should be supplemented. The accompanying table shows the data corrected for the longer period. The figures on which this table is based were furnished by the State registrars. They are, in general, slightly higher than the figures given by the Bureau of the Census for those States that are in the registration area, on account of differences in classification of death certificates.

¹ The Distribution of Malaria in the United States as Indicated by Mortality Reports. By Kenneth F. Maxcy. Pub. Health Rep., vol. 38, No. 21, May 25, 1923, pp. 1125-1138. Reprint No. 839.

TABLE 1.—Deaths and death rates from malaria in the Southern and Mississippi Valley States during the five-year period 1919–1923.

State.	Number of deaths from malaria. ¹					Crude malaria death rate per 100,000.					Calculated trend of death rate, 1919 to 1923.
	1919	1920	1921	1922	1923	1919	1920	1921	1922	1923	
Alabama (total).....	257	221	230	314	255	11.00	9.37	9.66	13.07	10.52	9.9 to 11.1
White.....	115	93	125	146	118	7.98	6.40	8.51	9.70	7.73	7.5 to 8.6
Colored.....	142	128	133	168	137	15.83	14.13	14.78	18.70	15.42	14.9 to 16.6
Arkansas (total).....	367	610	969	824	756	21.05	34.63	56.13	45.90	41.60	29.4 to 50.3
White.....	235	373	637	492	476	18.46	28.99	49.00	37.33	35.70	25.3 to 42.5
Colored.....	132	237	362	332	280	28.09	49.90	75.88	69.17	58.00	40.4 to 72.0
Florida (total).....	417	344	231	247	293	43.56	35.11	23.06	24.12	28.01	39.1 to 22.4
White.....	241	195	120	127	161	38.20	30.21	17.96	18.46	22.74	32.4 to 17.8
Colored.....	176	149	111	120	132	53.90	44.60	33.27	35.73	39.06	48.8 to 33.8
Georgia (total).....	363	559	468	585	489	12.60	19.21	15.92	19.70	16.30	15.2 to 18.3
White.....	135	242	195	257	201	8.03	14.25	11.28	14.64	11.28	10.6 to 13.9
Colored.....	228	317	273	328	288	18.99	26.14	22.54	26.85	23.66	21.7 to 25.6
Illinois (total).....	89	76	79	80	79	1.38	1.16	1.19	1.20	1.16	1.3 to 1.1
Kentucky (total).....	73	60	84	62	46	3.03	2.47	3.45	2.56	1.90	3.2 to 2.2
White.....	56	48	70	56	37	2.58	2.20	3.18	2.56	1.68	2.7 to 2.1
Colored.....	17	12	14	6	9	7.22	5.07	5.88	2.56	4.37	6.7 to 3.4
Louisiana (total).....	476	586	463	401	308	26.57	32.45	25.43	21.85	16.65	32.6 to 16.6
White.....	229	314	252	216	151	20.97	28.52	22.50	19.03	13.09	25.9 to 15.8
Colored.....	247	272	211	185	157	35.33	38.59	30.14	26.65	22.52	38.2 to 23.1
Mississippi (total).....	653	683	963	720	581	36.46	38.15	53.81	40.22	32.46	41.6 to 39.0
White.....	207	199	321	247	188	24.23	22.25	37.60	29.04	22.77	26.6 to 27.5
Colored.....	446	483	642	473	393	47.61	52.64	68.52	50.48	41.95	54.9 to 49.5
Missouri (total).....	218	137	151	143	148	6.41	4.02	4.41	4.17	4.31	5.5 to 3.9
North Carolina (total).....	201	210	172	178	151	7.91	8.20	6.58	6.72	5.62	8.2 to 5.8
White.....	81	84	75	75	76	4.57	4.68	4.12	4.04	4.03	4.5 to 4.0
Colored.....	120	126	97	103	75	15.59	16.14	12.34	13.00	9.37	16.5 to 10.2
Oklahoma (total).....	91	106	166	125	90	4.53	5.18	7.96	5.89	4.16	5.5 to 5.5
South Carolina (total).....	531	487	467	494	297	31.70	28.77	27.31	28.60	17.03	32.6 to 20.8
Tennessee (total).....	241	183	304	308	234	10.34	7.89	12.87	13.00	9.78	9.9 to 11.6
Texas (total).....	438	567	431	290	160	9.47	12.06	9.01	5.35	3.24	11.6 to 4.0
Virginia (total).....	69	51	34	49	37	3.00	2.20	1.45	2.07	1.55	2.7 to 1.5

¹ Figures furnished by State registrars. Rates based on population estimates of the Bureau of the Census.

While death rates are not altogether satisfactory in measuring the trend of malaria, they are the only rates for the disease that are available for all States alike. Due allowance must be made for certain factors affecting the rates, particularly for the fact that fatality may decline without a corresponding decrease in total incidence, for the fact that part of the decline may be due to better diagnosis, and, finally, for differences in the degree of completeness of registration in the several States. In addition, it must be kept in mind that five years is, after all, a very short period of time on which to base an idea of trend.

The figures at the right of the table give briefly the net change in rate. These trend figures are calculated from the formula for fitting a straight line to the observed points by the method of least squares.

The decline in Florida, Kentucky, Louisiana, North Carolina, South Carolina, and Virginia seems to be well sustained throughout the period. All of these States have had reasonably complete registration since 1919. Mississippi shows a slight decrease, apparently due to the decrease in the colored rate. If a longer period of time is considered, however, 1914–1923, a very definite reduction

is shown in the number of deaths attributed to malaria in this State. Illinois and Missouri also show a downward tendency.

Registration in Georgia and in Alabama has become relatively complete only in the last two years. The stationary or slightly increased rate in these States is probably largely due to this fact. Arkansas is obtaining registration of only about 70 per cent of deaths, but has been making steady progress. The figures from Oklahoma and Texas are unreliable.

On the whole there is encouraging evidence that malaria is gradually disappearing, at least in certain areas, and constantly becoming confined within narrower geographic limits. With the increasing interest in more accurate registration of malaria deaths that is being manifested by State registrars, this source of reconnaissance information should become more dependable. It is valuable to the State epidemiologist in planning the intensive field studies necessary definitely to delimit the distribution, trend, and intensity of malaria in each of the States where this disease is a public health problem.

THYROID ENLARGEMENT AMONG MINNESOTA SCHOOL CHILDREN.

Prevalence as Shown by a Survey of 4,061 Children in 13 Localities.

By ROBERT OLESEN and TALIAFERRO CLARK, Surgeons, United States Public Health Service.

Commenting upon the fact that the most effective method of using iodine as a goiter prophylactic has not yet been evolved, Marine¹ states that, "Before we can intelligently introduce preventive measures, it will be necessary to ascertain the incidence of goiter in representative units of population. There is a deplorable lack of such information." As a contribution to this subject the thyroid surveys made in Minnesota,² present numerous points of interest.

The surveys in Minnesota were undertaken primarily for the purpose of determining the extent of thyroid enlargement in selected communities in the State. This information having been gathered, the health officials in the respective places were acquainted with the findings and urged to inaugurate appropriate prophylactic measures. The communities included in the survey were Eveleth, Gilbert, and Hibbing, in St. Louis County, Grand Marais, in Cook County, St. Peter, in Nicollet County, Deer River, Grand Rapids, Coleraine,

¹ Public Health, Michigan Department of Health, 11:23, 1923.

² In the survey of school children in St. Peter, Doctor Clark was assisted by Dr. W. J. Daniels, chairman of the Committee on Iodine Prevention of Goiter, Nicollet and Le Sueur, County Medical Society; Dr. F. P. Strathern, city health officer, and J. N. Gehlen, epidemiologist of the Minnesota State Board of Health. In Deer River, Grand Rapids, Coleraine, Bovey, Marble, Nashwauk, and Keewatin the examinations were made by Doctors Gehlen and Blakey.

In Red Wing the examinations were made by Doctors Grace, M. W. Smith, and N. L. Werner.

Bovey, Marble, Nashwauk, and Keewatin, in Itasca County, and Red Wing, in Goodhue County. With the exception of St. Peter and Red Wing, these places are all in the northern part of the State. In all, 1,770 boys and 2,291 girls were examined.

The least number of goiter-free boys, 43 per cent, was found in the village of Grand Marais; the greatest number of goiter-free boys, 88.1 per cent, was found in the city of St. Peter. In St. Peter 48.5 per cent of the girls showed no evidence of thyroid enlargement. This was the largest percentage of goiter-free girls in any of the communities examined. The least number of girls with normal thyroid was observed in Marble, where only 14.3 per cent were designated as being free from thyroid involvement. Other communities with relatively high percentages of girls with goiter were Eveleth, Bovey, Grand Marais, and Gilbert.

In recording the thyroid enlargements three classifications were used, namely, "slight," "moderate," and "marked." Table 1 shows by sex and locality the percentage of children who had thyroid enlargement in each of these classes as well as in all classes combined.

TABLE 1.—Percentage of all children observed found to have goiter, classified according to locality, sex, and degree of thyroid enlargement—4,061 children in 13 localities in Minnesota.

Locality.	Percentage.			Number.		
	Both sexes.	Boys.	Girls.	Both sexes.	Boys.	Girls.
All localities.....	57.9	40.9	71.0	2,350	724	1,626
Eveleth.....	68.4	49.1	85.3	321	107	214
Gilbert.....	62.0	50.2	76.1	245	108	137
Grand Marais.....	66.9	57.0	76.9	106	45	60
Hibbing.....	53.7	42.5	62.1	159	54	105
St. Peter.....	35.7	11.9	51.5	120	16	104
Deer River.....	51.7	37.2	63.0	92	29	63
Grand Rapids.....	62.8	43.2	73.7	274	67	207
Coleraine.....	56.1	40.9	67.2	183	56	127
Bovey.....	67.4	53.5	81.4	58	23	35
Marble.....	66.4	40.4	85.7	73	19	54
Nashwauk.....	61.5	45.6	75.4	136	47	89
Keewatin.....	62.6	47.8	75.0	92	32	60
Red Wing.....	54.4	33.0	69.1	492	121	371

SLIGHT ENLARGEMENT.						
All localities.....	41.8	35.0	47.0	1,697	620	1,077
Eveleth.....	41.4	39.9	42.6	194	87	107
Gilbert.....	49.1	43.3	56.1	194	93	101
Grand Marais.....	49.0	45.6	52.6	77	36	41
Hibbing.....	40.9	40.9	40.8	121	52	69
St. Peter.....	32.1	11.9	45.5	108	16	92
Deer River.....	38.2	34.6	41.0	68	27	41
Grand Rapids.....	43.6	34.8	48.4	190	54	136
Coleraine.....	39.0	34.3	42.3	127	47	80
Bovey.....	46.5	41.9	51.2	40	18	22
Marble.....	41.8	34.0	47.6	46	16	30
Nashwauk.....	41.2	35.0	46.6	91	36	55
Keewatin.....	40.8	35.8	45.0	60	24	36
Red Wing.....	42.1	31.1	49.7	381	114	267

TABLE 1.—Percentage of all children observed found to have goiter, classified according to locality, sex, and degree of thyroid enlargement—4,061 children in 13 localities in Minnesota—Continued.

MODERATE ENLARGEMENT.

Locality.	Percentage.			Number.		
	Both sexes.	Boys.	Girls.	Both sexes.	Boys.	Girls.
All localities.....	14.9	5.6	22.0	604	99	505
Eveleth.....	25.6	9.2	39.8	120	20	100
Gilbert.....	11.9	6.0	18.9	47	13	34
Grand Marais.....	15.9	10.1	21.8	25	8	17
Hibbing.....	12.5	1.6	20.7	37	2	35
St. Peter.....	3.6	—	5.9	12	—	12
Deer River.....	13.5	2.6	22.9	24	2	22
Grand Rapids.....	17.2	7.7	22.4	75	12	63
Coleraine.....	16.3	5.8	23.8	53	8	45
Bovey.....	19.8	11.6	27.9	17	5	12
Marble.....	21.8	6.4	33.3	24	3	21
Nashwauk.....	19.0	10.7	26.3	42	11	31
Keewatin.....	21.1	11.9	28.8	31	8	23
Red Wing.....	10.7	1.9	16.8	97	7	90

MARKED ENLARGEMENT.

All localities.....	1.2	0.3	1.9	49	5	44
Eveleth.....	1.5	—	2.8	7	—	7
Gilbert.....	1.0	.9	1.1	4	2	2
Grand Marais.....	1.9	1.3	2.6	3	1	2
Hibbing.....	.3	—	.6	1	—	1
St. Peter.....	—	—	—	—	—	—
Deer River.....	—	—	—	—	—	—
Grand Rapids.....	2.1	.6	2.8	9	1	8
Coleraine.....	.9	.7	1.1	3	1	2
Bovey.....	1.2	—	2.3	1	—	1
Marble.....	2.7	—	4.8	3	—	3
Nashwauk.....	1.4	—	2.5	3	—	3
Keewatin.....	.7	—	1.3	1	—	1
Red Wing.....	1.5	—	2.6	14	—	14

NORMAL.

All localities.....	42.1	59.1	29.0	1,711	1,046	665
Eveleth.....	31.6	50.9	14.7	148	111	37
Gilbert.....	38.0	49.8	23.9	150	107	43
Grand Marais.....	33.1	43.0	23.1	52	34	18
Hibbing.....	46.3	57.5	37.9	137	73	64
St. Peter.....	61.3	88.1	48.5	216	118	98
Deer River.....	48.3	62.8	37.0	86	49	37
Grand Rapids.....	37.2	56.8	26.3	162	88	74
Coleraine.....	43.9	59.1	32.8	143	81	62
Bovey.....	32.6	46.5	18.6	28	20	8
Marble.....	33.6	59.6	14.3	37	28	9
Nashwauk.....	38.5	54.4	24.6	85	56	29
Keewatin.....	37.4	53.2	25.0	55	35	20
Red Wing.....	45.6	67.0	30.9	412	246	166

NUMBER EXAMINED.

All localities.....	—	—	—	4,061	1,770	2,291
Eveleth.....	—	—	—	469	218	251
Gilbert.....	—	—	—	395	215	180
Grand Marais.....	—	—	—	157	79	78
Hibbing.....	—	—	—	296	127	169
St. Peter.....	—	—	—	336	134	202
Deer River.....	—	—	—	178	78	100
Grand Rapids.....	—	—	—	436	155	281
Coleraine.....	—	—	—	326	137	189
Bovey.....	—	—	—	86	43	43
Marble.....	—	—	—	110	47	63
Nashwauk.....	—	—	—	221	103	118
Keewatin.....	—	—	—	147	67	80
Red Wing.....	—	—	—	904	367	537

When all localities combined are considered, it will be noted that 58 per cent of the children examined had some thyroid enlargement.

The rates are much higher among girls than among boys. With reference to Table 1, it will be noted that in all the 13 localities of Minnesota, 71 per cent of the girls had some thyroid enlargement, as against 41 per cent of the boys. This preponderance of thyroid enlargement among girls is evident in each locality, the *excess* in the rates for girls ranging from 19.6 in Hibbing to 45.3 in Marble. It will also be noted that the excess in the rates for girls over those for boys are particularly striking for moderate and marked goiter. Figure 1 shows this relation graphically.

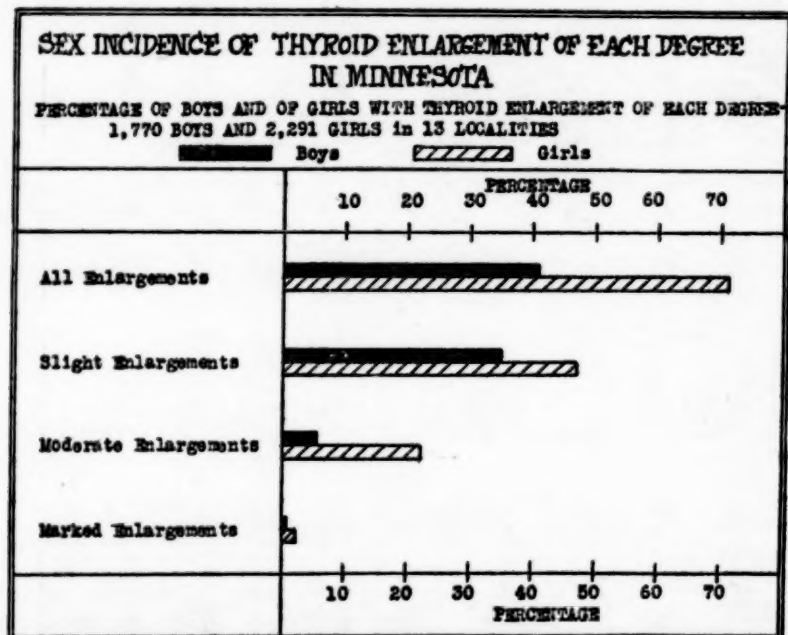


FIG. 1.

The rate for slight goiter among girls is 1.3 times the rate for boys, but the rate for moderate goiter among girls is 3.9 and for marked goiter 6.3 times the rate among boys.

The ages of the children examined range between 5 and 23 years, but the great majority are from 10 to 19 years of age. Table 2 and Figure 2 show the rates by sex and age groups.

It will be observed (upon reference to the top section of Figure 2) that the incidence of goiter among girls increases up to 14 years of age and thereafter remains fairly constant up to 17 years of age. Among the boys it will be observed that the incidence of goiter increases up to about the eleventh year of age and remains fairly constant until about the fourteenth year of age and then declines rapidly until about the seventeenth year of age.

SEX AND AGE INCIDENCE OF THYROID ENLARGEMENT IN MINNESOTA

PERCENTAGE OF CHILDREN OF EACH AGE-GROUP WHO HAVE THYROID
ENLARGEMENT OF EACH DEGREE - 4,061 CHILDREN IN 13 LOCALITIES

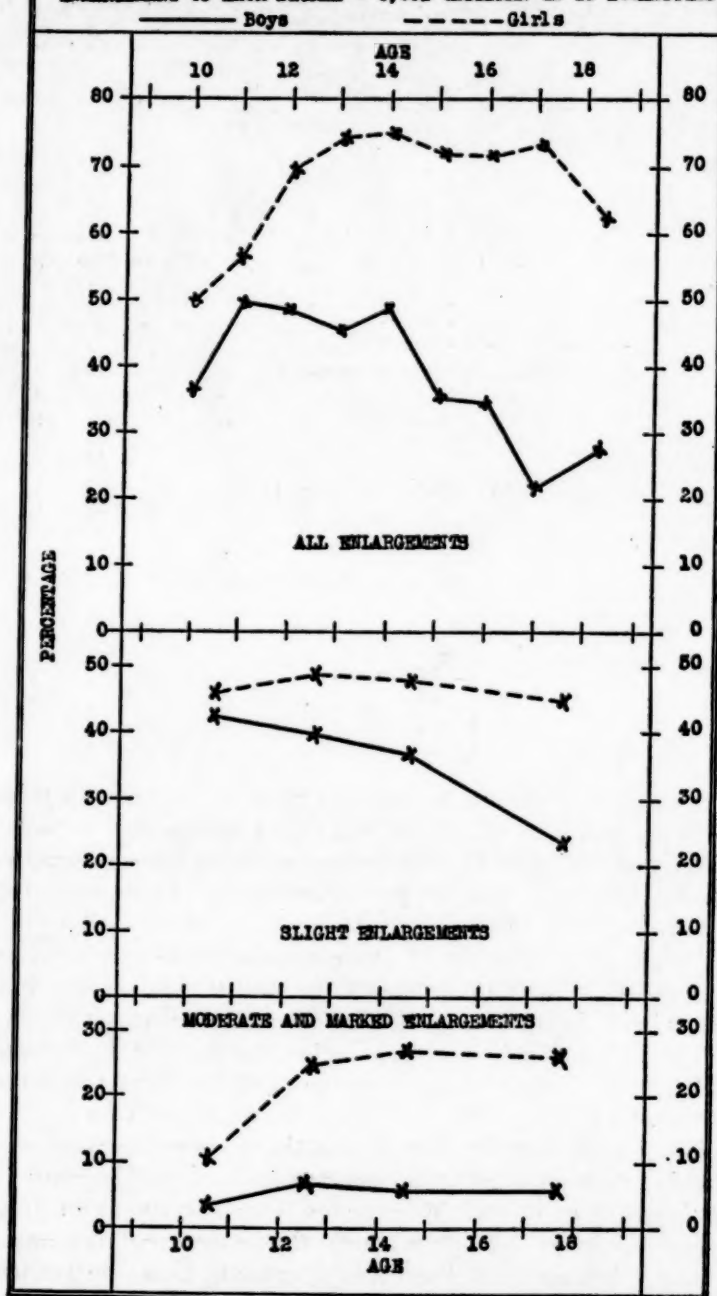


FIG. 2.

TABLE 2.—Percentage of children of each sex and age with thyroid enlargement—
4,001 children in 13 localities in Minnesota.

Age.	Percentage.			Number.			Number examined.		
	Both sexes.	Boys.	Girls.	Both sexes.	Boys.	Girls.	Both sexes.	Boys.	Girls.
ALL ENLARGEMENTS.									
All ages.....	57.0	40.9	71.0	2,350	724	1,626	4,061	1,770	2,291
Under 10.....				35	16	19	69	36	33
10.....	43.1	35.7	50.0	25	10	15	58	26	30
11.....	54.1	49.5	57.2	124	45	79	249	91	158
12.....	60.3	48.4	69.9	348	125	223	577	258	319
13.....	61.9	45.6	74.4	433	139	294	700	305	395
14.....	62.9	48.9	75.4	465	170	295	739	348	391
15.....	55.6	35.1	72.3	378	107	271	680	305	375
16.....	58.1	34.9	72.0	262	50	203	451	160	282
17.....	54.8	21.4	73.9	155	22	133	283	103	180
18 and over.....	47.2	27.7	62.9	119	31	88	252	112	140
Unknown age.....				6		6	23	15	8
SLIGHT ENLARGEMENTS.									
All ages.....	41.8	35.0	47.0	1,697	620	1,077	4,061	1,770	2,291
Under 10.....				34	16	18	69	36	33
10-11.....	44.6	42.9	45.8	128	51	77	287	119	168
12-13.....	44.6	40.0	48.3	570	225	345	1,277	563	714
14-15.....	42.4	36.6	47.3	601	239	362	1,419	653	766
16 and over.....	36.3	23.2	44.7	358	89	269	986	384	602
Unknown age.....				6		6	23	15	8
MODERATE AND MARKED ENLARGEMENTS.									
All ages.....	16.1	5.9	24.0	653	104	549			
Under 10.....				1		1			
10-11.....	7.3	3.4	10.1	21	4	17			
12-13.....	16.5	6.9	24.1	211	39	172			
14-15.....	17.1	5.8	26.6	242	38	204			
16 and over.....	18.1	6.0	25.7	178	23	155			

It will also be observed on more careful analysis that the incidence of slight enlargement of the thyroid gland among girls is fairly constant from about 10 to 17 years of age, whereas among boys the rate gradually declines at this age period until about the fourteenth year, and then the decline becomes more rapid.

Moreover, the incidence of moderate and marked goiters among girls increases rapidly up to about the twelfth year of age and continues, with a slight rise, until about the seventeenth year. Among the boys the lower incidence of moderate and marked thyroid enlargement increases slightly up to about the twelfth year and then remains fairly constant.

It is quite evident, in view of the above considerations, that the predominant type of thyroid enlargement among boys is "slight goiter," and that the tendency is for the enlargement to disappear with increasing age. In other words, the tendency is for spontaneous recovery. Among girls, however, it appears that the tendency is

for thyroid enlargement to persist and for slight degrees of enlargement to progress to moderate and marked enlargement. The explanation of the difference in the response of the two sexes at those age periods to the demands on thyroid function is not easy. It is known

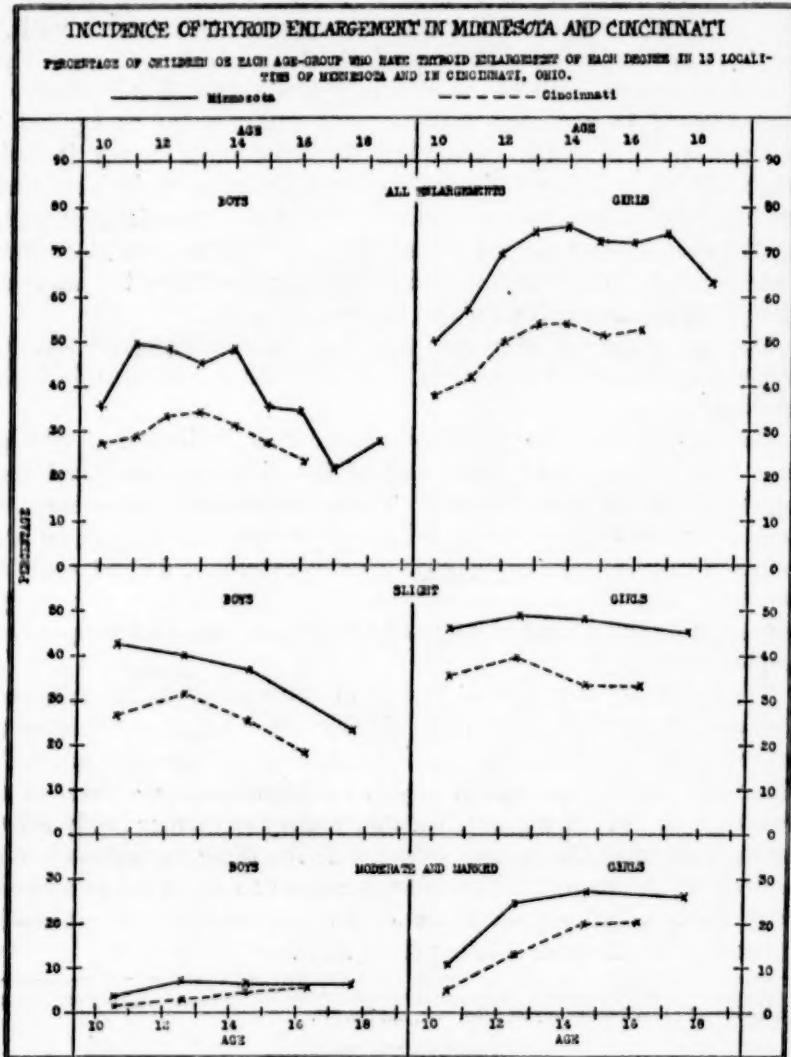


FIG. 3.

that the major function of the thyroid gland is to provide a means, through the iodine-containing hormone, for maintaining a higher rate of metabolism than would otherwise exist and for varying this rate.³ However, there appears to be, at the present time, no precise knowl-

³ David Marine: *Archives of Internal Medicine*, vol. 32, No. 6, December, 1923, p. 811.

edge of the stresses responsible for this difference in the two sexes. Further investigation is required to solve this problem.

The incidence of goiter in Minnesota might be compared with that in Cincinnati, as determined by a recent survey of the school children in that city.⁴ Among the children examined in Minnesota, 58 per cent had some degree of thyroid enlargement, in contrast with 33 per cent in Cincinnati. The rate for girls in Minnesota was 71 per cent as compared with 40 per cent in Cincinnati, and the Minnesota boys showed 41 per cent with thyroid enlargement as against 27 per cent in Cincinnati. Although the Cincinnati survey included relatively more younger children, an examination of the percentage for each age shows that the specific rates are considerably higher in Minnesota. In Figure 3 the specific rates for the two places have been plotted. The Cincinnati data are classified into the same age groups as was necessary for the Minnesota data.

The age incidence of goiter seems to be similar in all essential respects in the two States except that the rate is considerably higher for Minnesota.

On summarizing the Minnesota data it is evident that 40.9 per cent of the boys and 71 per cent of the girls examined had some degree of thyroid enlargement. The percentage of involvement for both sexes was 57.9 per cent. Slight, moderate, and marked enlargements were present among boys to the extent of 35 per cent, 5.6 per cent, and 0.3 per cent, respectively. Among girls these types prevailed to the extent of 47 per cent, 22 per cent, and 1.9 per cent, respectively.

The results of the thyroid survey in Minnesota plainly indicate a considerable prevalence of endemic thyroid enlargement among the school children of the communities studied. There are noticeable differences in the amount of thyroid enlargement in several of the communities, which suggests the desirability of further study for the determination of the factors responsible for these variations. With so decided an amount of thyroid enlargement among the school children, there would appear to be ample incentive for the responsible authorities to institute iodine prophylaxis.

⁴ R. Olesen: Thyroid survey of 47,493 elementary school children in Cincinnati. *Public Health Reports*, vol. 39, No. 30, pp. 1777-1802 (July 25, 1924). Reprint No. 941.

TABLE 3.—Number of children examined and the number with thyroid enlargement of each degree, by sex, age, and locality—4,061 children in 13 localities in Minnesota—Continued.

Age.	Boys.						Girls.					
	Number exam- ined.	Normal.	Thyroid enlargement.				Number exam- ined.	Normal.	Thyroid enlargement.			
			All enlarge- ments.	Slight or very slight.	Moderate.	Marked.			All enlarge- ments.	Slight or very slight.	Moderate.	Marked.
GRAND MARAIS.												
All ages.....	79	34	45	36	8	1	78	18	60	41	17	2
5.....	3	2	1	1			2	2		5		
6.....	9	3	6	6			8	3	5	1		
7.....	8	7	1	1			5	4	1	6		
8.....	8	4	4	4			6		6	6		
9.....	7	2	4	4			9	4	5	5		
10.....	7	3	4	3	1		8	2	7	2	2	
11.....	5		5	5			6	1	4	5	4	1
12.....	5	1	4	3	1		11	1	10	6		
13.....	9	4	5	3	2		6		6	6		
14.....	8	2	6	5	1		6		6		4	1
15.....	3	2	1		1		5	1	4	1	1	
16.....	3	2	3		2	1	3		3		3	
17.....	3	2	1	1								
18.....							3		3	2	1	
HIDBING.												
All ages.....	127	73	54	52	2		169	64	105	69	35	1
11.....	7	2	5	4	1		8	4	4	3	1	
12.....	18	7	11	10	1		30	12	18	8	10	
13.....	33	22	11	11			39	13	26	18	7	1
14.....	34	20	14	14			31	9	22	14	8	
15.....	25	16	9	9			27	14	13	10	3	
16.....	4	2	2	2			24	8	16	14	2	
17.....	3	3					6	3	3	1	2	
18.....	3	1	2	2			1		1		1	
19.....							1		1		1	
20.....							1		1			
21.....							1	1				
ST. PETER.												
All ages.....	134	118	16	16			202	98	104	92	12	
8.....							1		1	1		
9.....	1	1					2	1	1		1	
10.....	6	5	1	1			5	4	1	1		
11.....	7	6	1	1			6	4	2	1	1	
12.....	5	5					16	11	5	5		
13.....	102	9	1	1			29	18	11	8	3	
14.....	21	16	5	5			39	21	18	15	3	
15.....	28	26	2	2			33	13	20	18	2	
16.....	17	15	2	2			32	10	22	21	1	
17.....	16	13	3	3			20	6	14	14		
18.....	7	6	1	1			10	7	3	2	1	
19.....	3	3					1	1				
Unknown age.....	13	13					8	2	6	6		
DEER RIVER.												
All ages.....	78	49	29	27	2		100	37	63	41	22	
10.....	1	1					2	2		5		
11.....	3	1	2	2			8	3	5			
12.....	11	4	7	7			10	4	6	6		
13.....	10	8	2	1	1		13	3	10	5	5	
14.....	15	8	7	6	1		16	4	12	7	5	
15.....	16	11	5	5			16	8	8	3	5	
16.....	8	4	4	4			18	7	11	7	4	
17.....	5	5					9	2	7	5	2	
18.....	6	5	1	1			7	3	4	3	1	
19.....	2	2					1	1				
20.....	1		1	1								

TABLE 3.—Number of children examined and the number with thyroid enlargement of each degree, by sex, age, and locality—4,061 children in 13 localities in Minnesota—Continued.

Age.	Boys.						Girls.					
	Number examined.	Normal.	Thyroid enlargement.				Number examined.	Normal.	Thyroid enlargement.			
			All enlargements.	Slight or very slight.	Moderate.	Marked.			All enlargements.	Slight or very slight.	Moderate.	Marked.
GRAND RAPIDS.												
All ages	155	88	67	54	12	1	281	74	207	136	63	8
11	1		1	1			4	2	2	2		
12	18	12	6	5	1		22	7	15	12	3	
13	19	10	9	8	1		29	7	22	13	8	1
14	31	16	15	11	4		37	8	29	16	10	3
15	33	17	16	14	2		57	16	41	30	9	2
16	24	15	9	6	2	1	49	14	35	25	9	1
17	11	8	3	2	1		41	9	32	16	15	1
18	12	7	5	4	1		29	4	25	16	9	
19	3	2	1	1			10	6	4	4		
20	3	1	2	2			2		2	2		
23							1	1				
COLERAINE.												
All ages	137	81	56	47	8	1	189	62	127	80	45	2
10	3	2	1	1			2		2	2		
11	7	3	4	4			12	7	5	4	1	
12	22	12	10	10			24	7	17	13	4	
13	18	11	7	6	1		26	11	15	13	2	
14	15	10	5	4	1		28	8	20	11	9	
15	17	10	7	6	1		35	10	25	15	10	
16	25	16	9	7	2		28	9	19	9	9	1
17	9	4	5	4	1		17	5	12	7	5	
18	10	5	5	4	1		13	4	9	5	3	1
19	7	5	2	1		1	3	1	2	2		
20	4	3	1		1		1		1	1		
BOVEY.												
All ages	43	20	23	18	5		43	8	35	22	12	1
10							1	1				
11	4	3	1	1			5	3	2	2		
12	10	6	4	2	2		10	2	8	6	4	
13	13	7	6	5	1		11	1	10	9	4	
14	11	3	8	7	1		9		9	6	2	1
15	4		4	3	1		6	1	5	3	2	
16	1	1					1		1	1		
MARBLE.												
All ages	47	28	19	16	3		63	9	54	30	21	3
11	4	2	2	2			6	2	4	4		
12	10	6	4	2	2		11	2	9	5	3	1
13	10	6	4	4			14	1	13	6	5	2
14	11	6	5	4	1		14	2	12	7	5	
15	8	5	3	3			12	2	10	5	5	
16	2	1	1	1			4		4	3	1	
17	2	2					2		2		2	

TABLE 3.—Number of children examined and the number with thyroid enlargement of each degree, by sex, age, and locality—4,061 children in 13 localities in Minnesota—Continued.

Age.	Boys.						Girls.					
	Number exam- ined.	Normal.	Thyroid enlargement.				Number exam- ined.	Normal.	Thyroid enlargement.			
			All enlarge- ments.	Slight or very slight.	Moderate.	Marked.			All enlarge- ments.	Slight or very slight.	Moderate.	Marked.
NASHWAUK.												
All ages.....	103	56	47	36	11	-----	118	29	89	55	31	3
10.....	2	2	-----	-----	-----	-----	1	1	-----	-----	-----	-----
11.....	10	6	4	4	-----	-----	13	3	10	6	4	-----
12.....	15	5	10	7	3	-----	17	7	10	6	4	-----
13.....	19	8	11	8	3	-----	25	5	20	14	5	1
14.....	18	10	8	6	2	-----	27	6	21	12	8	1
15.....	18	13	5	4	1	-----	18	3	15	8	7	-----
16.....	10	6	4	4	-----	-----	8	2	6	5	1	-----
17.....	7	2	5	3	2	-----	8	1	7	4	2	1
18.....	4	4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
19.....	4	4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
KEEWATIN.												
All ages.....	67	35	32	24	8	-----	80	20	60	36	23	1
11.....	2	1	1	1	-----	-----	1	1	-----	-----	-----	-----
12.....	12	4	8	5	3	-----	8	3	5	5	-----	-----
13.....	11	5	6	5	1	-----	15	6	9	3	6	-----
14.....	13	5	8	7	1	-----	16	2	14	11	3	-----
15.....	19	15	4	2	2	-----	20	5	15	10	5	-----
16.....	6	3	3	2	1	-----	10	1	9	5	4	-----
17.....	3	2	1	1	-----	-----	7	7	1	5	1	-----
18.....	1	-----	1	1	-----	-----	-----	1	-----	-----	-----	-----
19.....	-----	-----	-----	-----	-----	-----	2	1	1	1	-----	-----
RED WING.												
All ages.....	367	246	121	114	7	-----	537	167	371	267	90	14
10.....	3	-----	3	3	-----	-----	5	2	3	3	-----	-----
11.....	15	9	6	6	-----	-----	27	10	17	14	2	1
12.....	52	31	21	21	-----	-----	67	29	47	39	8	-----
13.....	48	27	21	19	2	-----	76	21	55	45	7	3
14.....	75	42	33	30	3	-----	83	25	58	39	18	1
15.....	55	39	16	15	1	-----	88	22	66	50	13	3
16.....	42	29	13	12	1	-----	78	27	51	31	18	2
17.....	38	34	4	4	-----	-----	69	19	50	30	17	3
18.....	24	23	1	1	-----	-----	35	14	21	15	5	1
19.....	10	7	3	3	-----	-----	8	5	3	1	2	-----
20.....	2	2	-----	-----	-----	-----	1	1	-----	-----	-----	-----
21.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
22.....	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Unknown age.....	2	2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

PAUPERS IN ALMSHOUSES IN THE UNITED STATES IN 1923.

The accompanying tables give the number of persons cared for in almshouses in the United States in 1923 by race, sex, and age, and by geographic divisions, and a comparison with similar enumerations of previous years. They are taken from data secured and issued by the Bureau of the Census, United States Department of Commerce, and are published here because of their possible interest to health officials.

These figures relate only to inmates of public almshouses and do not include inmates of any other institutions or the recipients of outdoor relief. It is evident, therefore, that they are not an accurate index of poverty or pauperism in the United States, and they should not be used as a basis of comparisons between geographic divisions. A State may have few almshouse paupers because it provides few almshouses, or its almshouse population may be small because a policy of outdoor relief prevails, or because many of its needy poor are cared for in special institutions. On the other hand, it is stated, the almshouse population of a State may be large because the State uses its almshouses as temporary shelter for vagrants, or as places of detention for petty criminals, or because its almshouses are combined with free hospitals for the poor or other persons. Then, too, the almshouse population of a State or section is influenced also by climatic conditions, the racial composition of its population, and the nature of its industries.

TABLE 1.—*Number of paupers in almshouses in the United States, 1880-1923, rate per 100,000 population, sex distribution, and ratio of males to females.*

Year.	Total population.	Paupers in almshouses—Enumerated on a given date.					
		Date.	Number.	Per 100,000 population.	Male.	Female.	Males per 100 females.
1923.....	¹ 109,248,393	Jan. 1	78,090	71.5	53,967	24,123	223.7
1910.....	91,972,266	do.	84,198	91.5	57,049	27,149	210.1
1904.....	² 81,792,387	do.	81,764	100.0	52,444	29,320	178.9
1890.....	62,622,250	June 1	73,044	116.6	40,740	32,304	126.1
1880.....	50,155,783	do.	66,293	132.0	35,564	30,639	116.1

¹ Estimated population as of July 1, 1922.

² Estimated.

TABLE 2.—*Color or race of paupers in almshouses, 1910 and 1923.*

Class of population.	Paupers in almshouses.							
	Enumerated Jan. 1, 1923.		Admitted during 1922.		Enumerated Jan. 1, 1910.		Admitted during 1910.	
	Number.	Per cent distribution.	Number.	Per cent distribution.	Number.	Per cent distribution.	Number.	Per cent distribution.
Total.....	78,090	100.0	63,807	100.0	84,198	100.0	88,313	100.0
White.....	72,336	92.6	57,523	90.2	77,734	92.3	81,135	91.9
Native.....	48,019	61.5	37,788	59.2	44,254	52.6	46,438	52.6
Foreign born.....	23,557	30.2	17,988	28.2	33,125	39.3	33,353	37.8
Nativity unknown.....	700	1.0	1,747	2.7	855	0.4	1,344	1.5
Negro.....	5,511	7.1	5,949	9.3	6,281	7.5	6,807	7.7
Indian.....	94	0.1	137	0.2	74	0.1	130	0.1
Chinese.....	124	0.2	152	0.2	(¹)	(¹)	(¹)	(¹)
Japanese.....	17	(¹)	29	(¹)	(¹)	(¹)	(¹)	(¹)
All other.....	8	(¹)	17	(¹)	109	0.1	241	0.3

¹ Included in "All other."

² Less than one-tenth of 1 per cent.

TABLE 3.—*Ratio of paupers in almshouses to total population, by color or race, 1910 and 1923.*

Class of population.	Total population.		Paupers in almshouses.							
	1920 ¹	1910	Enumerated on a given date.				Admitted during the year.			
			Number.		Per 100,000 of same class.		Number.		Per 100,000 of same class.	
			Jan. 1, 1923.	Jan. 1, 1910.	1923 ¹	1910	1922	1910	1922 ¹	1910
Total.....	105,710,620	91,972,266	78,090	84,198	73.9	91.5	63,807	88,313	60.4	96.0
White.....	94,820,915	81,731,957	72,336	77,734	76.3	95.1	57,523	781,135	60.7	99.3
Native.....	81,108,161	68,386,412	248,529	444,457	59.8	65.0	38,972	47,220	48.0	69.0
Foreign born.....	13,712,754	13,345,545	23,807	33,277	173.6	249.3	18,551	33,915	135.3	254.1
Negro.....	10,463,131	9,827,763	5,511	6,281	52.7	63.9	5,949	6,807	56.9	69.3
Indian.....	244,437	265,683	94	74	38.5	27.9	137	130	56.0	48.9
Chinese.....	61,639	(²)	124	(²)	201.2	-----	152	(²)	246.6	-----
Japanese.....	111,010	(²)	17	(²)	15.3	-----	29	(²)	26.1	-----
All other.....	9,488	146,863	8	109	84.3	74.2	17	241	179.2	164.1

¹ Ratios based upon population as of Jan. 1, 1920.² Unknown white nativity distributed between native and foreign born.³ Included in "All other."TABLE 3.—*Number of paupers enumerated in almshouses on a given date and number admitted during the year, with number enumerated and number admitted per 100,000 estimated population, by geographic divisions, 1904-1923.*

Division and State.	Paupers in almshouses.											
	Number.						Per 100,000 population.					
	Enumerated on a given date.			Admitted during the year.			Enumerated on a given date.			Admitted during the year.		
	1923	1910	1904	1922	1910	1904	1923 ¹	1910	1904	1922 ¹	1910	1904
United States.....	78,090	84,198	81,764	63,807	88,313	81,412	71.5	91.5	100.0	58.4	96.0	99.5
Geog. divisions:												
New England.....	9,529	11,886	11,495	10,036	14,716	12,990	125.1	181.4	193.5	131.7	224.6	218.7
Middle Atlantic.....	18,564	23,772	21,783	14,250	23,927	23,400	80.6	123.1	129.2	61.9	123.9	138.8
E. North Central.....	21,405	21,358	21,127	15,604	17,116	16,901	96.0	117.0	125.7	70.0	93.8	100.6
W. North Central.....	7,298	6,366	6,618	4,137	4,585	3,578	57.1	54.7	61.2	32.4	39.4	33.1
South Atlantic.....	6,875	7,706	8,298	6,396	7,945	7,227	47.6	63.2	74.9	44.3	65.2	65.2
E. South Central.....	4,097	4,266	4,768	2,128	3,086	3,448	45.4	50.7	60.7	23.6	36.7	43.9
W. South Central.....	2,075	1,630	1,689	1,723	2,068	2,045	19.5	18.6	23.0	16.2	23.5	27.8
Mountain.....	1,778	1,652	1,283	2,375	3,505	2,528	59.6	62.7	63.4	67.5	133.1	125.0
Pacific.....	6,469	5,562	4,703	7,158	11,365	9,295	109.3	132.7	153.6	120.9	271.1	303.7

¹ Ratios based upon estimated population as of July 1, 1922.

NO DEATHS FROM SMALLPOX IN ALBANY, N. Y., IN 1923—A CORRECTION.

The report of two deaths from smallpox in Albany, N. Y., in 1923, Public Health Reports, July 11, 1924, page 1689, was erroneous, no death from smallpox having occurred in Albany during that year.

DEATHS DURING WEEK ENDED SEPTEMBER 27, 1924.

Summary of information received by telegraph from industrial insurance companies for week ended September 27, 1924, and corresponding week of 1923. (From the Weekly Health Index, September 30, 1924, issued by the Bureau of the Census, Department of Commerce.)

	Week ended September 27, 1924.	Corresponding week, 1923.
Policies in force.....	57, 044, 556	53, 518, 946
Number of death claims.....	9, 497	8, 873
Death claims per 1,000 policies in force, annual rate.....	8. 7	8. 6

Deaths from all causes in certain large cities of the United States during the week ended September 27, 1924, infant mortality, annual death rate, and comparison with corresponding week of 1923. (From the Weekly Health Index, September 30, 1924, issued by the Bureau of the Census, Department of Commerce.)

City.	Week ended Sept. 27, 1924.		Annual death rate per 1,000 cor- re- sponding week, 1923.	Deaths under 1 year.		Infant mortal- ity rate, week ended Sept. 27, 1924. ²
	Total deaths.	Death rate. ¹		Week ended Sept. 27, 1924.	Corre- sponding week, 1923.	
Total (64 cities).....	5, 516	10. 8	³ 10. 7	729	³ 723	-----
Akron.....	20	-----	-----	5	6	53
Albany.....	31	13. 6	15. 5	4	4	91
Atlanta.....	65	14. 9	16. 8	7	11	-----
Baltimore.....	162	10. 8	11. 9	25	23	74
Birmingham.....	55	14. 3	14. 1	8	8	-----
Boston.....	184	12. 4	13. 0	29	20	80
Bridgeport.....	23	-----	-----	3	6	48
Buffalo.....	148	14. 2	10. 9	24	18	101
Cambridge.....	30	14. 0	14. 5	5	3	87
Camden.....	28	11. 6	8. 8	5	5	82
Canton.....	12	6. 1	6. 3	1	2	22
Chicago.....	578	10. 3	9. 7	76	86	71
Cincinnati.....	112	14. 3	14. 2	15	11	94
Cleveland.....	143	8. 2	10. 5	25	28	63
Columbus.....	69	13. 5	12. 8	8	3	76
Dallas.....	45	12. 5	11. 2	6	3	-----
Dayton.....	27	8. 3	15. 1	4	6	67
Denver.....	84	-----	-----	11	8	-----
Des Moines.....	26	9. 3	11. 8	2	3	-----
Detroit.....	223	-----	-----	40	59	74
Duluth.....	16	7. 7	5. 9	1	2	22
Erie.....	18	-----	-----	5	3	104
Fall River.....	29	12. 5	7. 3	5	3	70
Flint.....	17	-----	-----	4	5	69
Fort Worth.....	28	9. 9	5. 4	5	2	-----
Grand Rapids.....	28	9. 8	12. 1	2	4	31
Houston.....	37	-----	-----	7	4	-----
Indianapolis.....	84	12. 5	15. 1	11	17	81
Jacksonville, Fla.....	26	13. 2	15. 6	5	3	-----
Jersey City.....	66	11. 0	8. 4	7	6	50
Kansas City, Kans.....	21	9. 3	12. 2	1	2	19
Kansas City, Mo.....	72	10. 4	12. 2	12	14	-----
Los Angeles.....	183	-----	-----	17	30	53
Louisville.....	79	15. 9	13. 4	7	5	65
Lowell.....	32	14. 4	12. 2	4	11	71
Lynn.....	19	9. 6	9. 1	1	1	25
Memphis.....	42	12. 7	23. 3	3	11	-----
Milwaukee.....	90	9. 5	8. 0	12	8	57
Minneapolis.....	82	10. 2	8. 3	7	7	38
Nashville.....	29	12. 3	11. 1	2	0	-----
New Bedford.....	21	8. 3	6. 4	5	4	78
New Haven.....	32	9. 5	10. 2	8	5	106
New Orleans.....	124	15. 8	15. 3	17	9	-----

¹ Annual rate per 1,000 population.

² Deaths under 1 year per 1,000 births—an annual rate based on deaths under 1 year for the week an estimated births for 1923. Cities left blank are not in the registration area for births.

³ Data for 62 cities.

⁴ Deaths for week ended Friday, September 26, 1924.

Deaths from all causes in certain large cities of the United States during the week ended September 27, 1924, infant mortality, annual death rate, and comparison with corresponding week of 1923. (From the Weekly Health Index, September 30, 1924, issued by the Bureau of the Census, Department of Commerce)—Continued.

City.	Week ended Sept. 27, 1924.		Annual death rate per 1,000 corresponding week, 1923.	Deaths under 1 year.		Infant mortality rate, week ended Sept. 27, 1924.
	Total deaths.	Death rate.		Week ended Sept. 27, 1924.	Corresponding week, 1923.	
New York	1,138	9.9	9.2	153	141	62
Bronx Borough	129	7.7	6.7	10	12	35
Brooklyn Borough	381	9.0	7.9	55	49	59
Manhattan Borough	485	11.2	11.5	80	72	81
Queens Borough	106	9.0	7.7	5	7	25
Richmond Borough	37	14.8	14.7	3	1	55
Newark, N. J.	80	10.4	10.7	17	14	80
Norfolk	26	8.3	13.1	4	5	72
Oakland	53	11.2	7.2	1	3	13
Oklahoma City	17	8.5		3		
Omaha	68	17.0	9.2	7	5	75
Paterson	25	9.3	17.1	3	3	51
Philadelphia	410	11.0	11.9	54	68	69
Pittsburgh	142	11.8	12.6	16	25	54
Portland, Oreg.	54	10.1	8.6	3	3	31
Providence	53	11.3	7.3	7	3	57
Richmond	44	12.5	13.2	5	8	61
Rochester	54	8.7		6		47
St. Louis	175	11.2	12.6	16	26	
St. Paul	54	11.5	10.8	8	5	68
Salt Lake City	30	12.2	15.3	4	5	80
San Antonio	41	11.2	12.7	10	10	
Schenectady	15	7.8	12.1	1	2	30
Seattle	75			7	7	68
Somerville	15	7.8	6.3	2	1	54
Spokane	23			2	1	44
Springfield, Mass.	34	11.9	9.8	7	7	118
Syracuse	39	10.8	11.0	3	5	37
Tacoma	15	7.6	10.8	0	3	0
Toledo	63	11.9	11.6	5	3	47
Trenton	31	12.5	8.6	6	2	100
Utica	21	10.4	10.6	2	0	44
Washington, D. C.	109	11.7	11.0	15	16	87
Waterbury	18			4	2	93
Wilmington, Del.	29	12.6	9.7	3	5	67
Yonkers	11	5.2	6.8	2	3	44
Youngstown	26	8.7	8.7	7	4	96

PREVALENCE OF DISEASE.

No health department, State or local, can effectively prevent or control disease without knowledge of when, where, and under what conditions cases are occurring.

UNITED STATES.

CURRENT WEEKLY STATE REPORTS.

These reports are preliminary, and the figures are subject to change when later returns are received by the State health officers.

Reports for Week Ended October 4, 1924.

ARIZONA.		CONNECTICUT—continued.	
	Cases.		Cases.
Mumps.....	8	German measles.....	4
Scarlet fever.....	4	Lethargic encephalitis.....	1
Smallpox.....	2	Measles.....	1
Tuberculosis.....	2	Mumps.....	20
Whooping cough.....	2	Pneumonia (lobar).....	14
		Polio-myelitis.....	6
ARKANSAS.		Scarlet fever.....	36
Chicken pox.....	3	Tetanus.....	1
Dengue.....	1	Tuberculosis (all forms).....	35
Diphtheria.....	8	Typhoid fever.....	7
Hookworm disease.....	1	Whooping cough.....	19
Influenza.....	24		
Malaria.....	106	DELAWARE.	
Measles.....	28	Diphtheria.....	2
Mumps.....	10	Pneumonia.....	2
Paratyphoid fever.....	2	Scarlet fever.....	3
Pellagra.....	2	Tuberculosis.....	2
Scarlet fever.....	8	Typhoid fever.....	4
Smallpox.....	6		
Tuberculosis.....	2	FLORIDA.	
Typhoid fever.....	30	Diphtheria.....	15
Whooping cough.....	12	Malaria.....	13
		Pneumonia.....	1
COLORADO.		Typhoid fever.....	4
(Exclusive of Denver.)			
Chicken pox.....	12	GEORGIA.	
Diphtheria.....	14	Chicken pox.....	3
Impetigo contagiosa.....	2	Dengue.....	1
Malaria.....	1	Diphtheria.....	26
Mumps.....	3	Hookworm disease.....	4
Paratyphoid fever.....	2	Influenza.....	8
Scarlet fever.....	9	Malaria.....	15
Smallpox.....	1	Measles.....	1
Tuberculosis.....	57	Mumps.....	16
Typhoid fever.....	12	Pellagra.....	1
Whooping cough.....	8	Pneumonia.....	4
		Scarlet fever.....	10
CONNECTICUT.		Tetanus.....	1
Cerebrospinal meningitis.....	1	Tuberculosis (all forms).....	2
Chicken pox.....	10	Typhoid fever.....	16
Diphtheria.....	27	Whooping cough.....	14

ILLINOIS.		Cases.
Diphtheria:		
Cook County	63	
Rock Island County	8	
Sangamon County	8	
Scattering	36	
Influenza	10	
Measles	49	
Pneumonia	128	
Polio-myelitis:		
Bureau County	1	
Calhoun County	1	
Carroll County	2	
Cook County	6	
Kane County	1	
Marion County	1	
Shelby County	1	
Whiteside County	1	
Scarlet fever:		
Cook County	62	
Kane County	8	
St. Clair County	21	
Scattering	74	
Smallpox	30	
Tuberculosis	231	
Typhoid fever	48	
Whooping cough	107	
IOWA.		
Diphtheria	23	
Polio-myelitis:		
Clinton	1	
Muscatine	1	
Scarlet fever	28	
Smallpox	12	
Typhoid fever	3	
KANSAS.		
Cerebrospinal meningitis	1	
Chicken pox	21	
Diphtheria	48	
German measles	2	
Influenza	3	
Measles	1	
Mumps	33	
Pneumonia	9	
Polio-myelitis	3	
Scarlet fever	80	
Septic sore throat	4	
Smallpox	1	
Tuberculosis	45	
Typhoid fever	24	
Whooping cough	20	
LOUISIANA.		
Anthrax	1	
Cerebrospinal meningitis	1	
Diphtheria	13	
Hookworm disease	38	
Malaria	39	
Pneumonia	27	
Scarlet fever	3	
Smallpox	8	
Tuberculosis	20	
Typhoid fever	21	
MAINE.		
Chicken pox	10	
Diphtheria	6	
Measles	2	

¹ Week ended Friday.

MAINE—continued.		Cases.
Mumps	25	
Pneumonia	3	
Polio-myelitis	5	
Scarlet fever	15	
Tuberculosis	5	
Typhoid fever	7	
Vincent's angina	1	
Whooping cough	32	
MARYLAND. ¹		
Cerebrospinal meningitis	1	
Chicken pox	18	
Diphtheria	32	
Dysentery	6	
German measles	4	
Impetigo contagiosa	1	
Influenza	9	
Malaria	5	
Measles	11	
Mumps	5	
Paratyphoid fever	1	
Pneumonia (all forms)	22	
Polio-myelitis	15	
Scarlet fever	22	
Septic sore throat	4	
Smallpox	1	
Tetanus	3	
Tuberculosis	65	
Typhoid fever	44	
Whooping cough	62	
MASSACHUSETTS.		
Cerebrospinal meningitis	3	
Chicken pox	18	
Conjunctivitis (suppurative)	16	
Diphtheria	108	
German measles	4	
Influenza	8	
Lethargic encephalitis	5	
Malaria	1	
Measles	44	
Mumps	38	
Ophthalmia neonatorum	18	
Pneumonia (lobar)	44	
Polio-myelitis	17	
Scarlet fever	126	
Tetanus	1	
Tuberculosis (all forms)	115	
Typhoid fever	29	
Whooping cough	40	
MICHIGAN.		
Diphtheria	127	
Measles	61	
Pneumonia	61	
Scarlet fever	163	
Smallpox	22	
Tuberculosis	102	
Typhoid fever	27	
Whooping cough	110	
MONTANA.		
Diphtheria	13	
Polio-myelitis:		
Emigrant	1	
Helena	1	
Livingston	1	

MONTANA—continued.

Poliomyelitis—Continued.	Cases.
Missoula.....	4
Roman.....	1
Scarlet fever.....	25
Smallpox.....	4
Typhoid fever.....	7

NEW JERSEY.

Cerebrospinal meningitis.....	1
Chicken pox.....	47
Diphtheria.....	73
Influenza.....	3
Malaria.....	1
Measles.....	16
Pneumonia.....	57
Poliomyelitis.....	5
Scarlet fever.....	47
Smallpox.....	4
Typhoid fever.....	22
Whooping cough.....	150

NEW MEXICO.

Diphtheria.....	7
Lethargic encephalitis.....	1
Measles.....	4
Pneumonia.....	3
Scarlet fever.....	3
Tuberculosis.....	52
Typhoid fever.....	39
Whooping cough.....	4

NEW YORK.

(Exclusive of New York City.)

Cerebrospinal meningitis.....	1
Diphtheria.....	81
Influenza.....	10
Measles.....	30
Pneumonia.....	122
Poliomyelitis.....	39
Scarlet fever.....	79
Smallpox.....	13
Typhoid fever.....	58
Whooping cough.....	138

NORTH CAROLINA.

Cerebrospinal meningitis.....	1
Chicken pox.....	9
Diphtheria.....	225
German measles.....	1
Measles.....	27
Scarlet fever.....	51
Septic sore throat.....	5
Smallpox.....	28
Typhoid fever.....	37
Whooping cough.....	89

OREGON.

Chicken pox.....	7
Diphtheria:	
Portland.....	20
Washington County.....	32
Scattering.....	4
Influenza.....	1
Malaria.....	1
Measles.....	1
Mumps.....	6
Pneumonia.....	13
Poliomyelitis.....	2

¹ Deaths.

OREGON—continued.

Scarlet fever:	Cases.
Portland.....	8
Scattering.....	17
Smallpox.....	9
Tuberculosis.....	19
Typhoid fever.....	10

SOUTH DAKOTA.

Chicken pox.....	6
Diphtheria.....	4
Measles.....	2
Pneumonia.....	2
Scarlet fever.....	25
Smallpox.....	6
Tuberculosis.....	1
Typhoid fever.....	5

TEXAS.

Anthrax.....	1
Chicken pox.....	7
Dengue.....	20
Diphtheria.....	95
Dysentery (epidemic).....	86
Influenza.....	152
Lethargic encephalitis.....	1
Malta fever.....	4
Measles.....	25
Mumps.....	56
Ophthalmia neonatorum.....	2
Paratyphoid fever.....	15
Pellagra.....	85
Pneumonia.....	21
Poliomyelitis.....	1
Rabies.....	2
Scarlet fever.....	62
Smallpox.....	77
Tetanus.....	10
Trachoma.....	41
Tuberculosis.....	160
Typhoid fever.....	137
Typhus fever.....	4
Whooping cough.....	96

VERMONT.

Diphtheria.....	3
Measles.....	2
Mumps.....	11
Poliomyelitis.....	1
Scarlet fever.....	6
Whooping cough.....	9

VIRGINIA.

Poliomyelitis—Fauquier County.....	1
Smallpox—Alleghany County.....	1

WASHINGTON.

Chicken pox.....	20
Diphtheria.....	36
Measles.....	13
Mumps.....	9
Poliomyelitis:	
Chelan County.....	2
King County.....	4
Kittitas County.....	1
Lincoln County.....	1
Pierce County.....	15
Snohomish County.....	2

WASHINGTON—continued.

Poliomyelitis—Continued.	Cases.
Stevens County.....	1
Thurston County.....	3
Whitman County.....	2
Yakima County.....	1
Everett.....	4
Seattle.....	10
Spokane.....	5
Tacoma.....	22
Yakima.....	2
Scarlet fever.....	34
Smallpox.....	12
Tuberculosis.....	56
Typhoid fever.....	23
Whooping cough.....	7

WEST VIRGINIA.

Diphtheria.....	9
Poliomyelitis—Elkins.....	1
Scarlet fever.....	17
Typhoid fever.....	37

WISCONSIN.

Millwaukee:	
Chicken pox.....	10
Diphtheria.....	10

WISCONSIN—continued.

Millwaukee—Continued.	Cases.
German measles.....	1
Measles.....	7
Mumps.....	9
Ophthalmia neonatorum.....	1
Pneumonia.....	1
Scarlet fever.....	16
Tuberculosis.....	12
Typhoid fever.....	1
Whooping cough.....	17
Scattering:	
Chicken pox.....	54
Diphtheria.....	70
German measles.....	2
Influenza.....	4
Measles.....	24
Mumps.....	2
Pneumonia.....	6
Poliomyelitis.....	3
Scarlet fever.....	86
Smallpox.....	3
Trachoma.....	3
Tuberculosis.....	17
Typhoid fever.....	5
Whooping cough.....	162

Reports for Week Ended September 27, 1924.

DISTRICT OF COLUMBIA.

	Cases.
Chicken pox.....	1
Diphtheria.....	5
Influenza.....	1
Measles.....	1
Poliomyelitis.....	2
Scarlet fever.....	5
Smallpox.....	1
Tuberculosis.....	22
Typhoid fever.....	3
Whooping cough.....	12

NEBRASKA.

Chicken pox.....	4
Diphtheria.....	29

NEBRASKA—continued.

	Cases.
Poliomyelitis.....	1
Scarlet fever.....	8
Smallpox.....	2
Typhoid fever.....	1
Whooping cough.....	4

WYOMING.

Chicken pox.....	3
Measles.....	2
Pneumonia.....	2
Poliomyelitis.....	1
Scarlet fever.....	1
Whooping cough.....	9

SUMMARY OF MONTHLY REPORTS FROM STATES.

The following summary of monthly State reports is published weekly and covers only those States from which reports are received during the current week.

State.	Cerebro-spinal meningitis.	Diphtheria.	Influenza.	Malaria.	Measles.	Pellagra.	Poliomyelitis.	Scarlet fever.	Smallpox.	Typhoid fever.
<i>July, 1924.</i>										
Tennessee.....	1	17	10	167	71	69		31	51	224
<i>August, 1924.</i>										
Idaho.....		11						5		15
Maine.....	2	31	1	1			40	64		47
Montana.....	1	25	1		2		56	37	18	23
Rhode Island.....	1	24					13	13		7
South Carolina.....	1	180	1	25	3	5		5	6	92
Tennessee.....	1	54	72	256	27	71	3	40	52	386
<i>September, 1924.</i>										
Connecticut.....	6	112	6	6	21		33	103		39

GENERAL CURRENT SUMMARY AND WEEKLY REPORTS FROM CITIES.

Diphtheria.—For the week ended September 20, 1924, 34 States reported 1,346 cases of diphtheria. For the week ended September 22, 1923, the same States reported 1,962 cases of this disease. One hundred and one cities, situated in all parts of the country and having an aggregate population of more than 28,600,000, reported 635 cases of diphtheria for the week ended September 20, 1924. Last year, for the corresponding week, they reported 826 cases. The estimated expectancy for these cities was 908 cases of diphtheria. The estimated expectancy is based on the experience of the last nine years, excluding epidemics.

Measles.—Twenty-nine States reported 293 cases of measles for the week ended September 20, 1924, and 1,113 cases of this disease for the week ended September 22, 1923. One hundred and one cities reported 87 cases of measles for the week this year and 346 cases last year.

Scarlet fever.—Scarlet fever was reported for the week as follows: Thirty-four States—this year, 1,080 cases; last year, 1,438 cases. One hundred and one cities—this year, 452 cases; last year, 524; estimated expectancy, 435 cases.

Smallpox.—For the week ended September 20, 1924, 34 States reported 186 cases of smallpox. Last year, for the corresponding week, they reported 104 cases. One hundred and one cities reported smallpox for the week as follows: 1924, 85 cases; 1923, 19 cases; estimated expectancy, 26 cases. These cities reported no deaths from smallpox for the week this year.

Typhoid fever.—Seven hundred and eighty-eight cases of typhoid fever were reported for the week ended September 20, 1924, by 33 States. For the corresponding week of 1923 the same States reported 843 cases. One hundred and one cities reported 193 cases of typhoid fever for the week this year and 212 cases for the week last year. The estimated expectancy for these cities was 238 cases.

Influenza and pneumonia.—Deaths from influenza and pneumonia (combined) were reported for the week by 101 cities as follows: 1924, 311 deaths; 1923, 358 deaths.

City reports for week ended September 20, 1924.

The "estimated expectancy" given for diphtheria, poliomyelitis, scarlet fever, smallpox, and typhoid fever is the result of an attempt to ascertain from previous occurrence how many cases of the disease under consideration may be expected to occur during a certain week in the absence of epidemics. It is based on reports to the Public Health Service during the past nine years. It is in most instances the median number of cases reported in the corresponding week of the preceding years. When the reports include several epidemics, or when for other reasons the median is unsatisfactory, the epidemic periods are excluded and the estimated expectancy is the mean number of cases reported for the week during nonepidemic years.

If reports have not been received for the full nine years, data are used for as many years as possible, but no year earlier than 1915 is included. In obtaining the estimated expectancy, the figures are smoothed when necessary to avoid abrupt deviations from the usual trend. For some of the diseases given in the table the available data were not sufficient to make it practicable to compute the estimated expectancy.

Division, State, and city.	Chick- en pox, cases re- ported.	Diphtheria.		Influenza.		Meas- les, cases re- ported.	Mumps, cases re- ported.	Pneu- monia, deaths re- ported.	Scarlet fever.		
		Cases, esti- mated expect- ancy.	Cases re- ported.	Cases re- ported.	Deaths re- ported.				Cases, esti- mated expect- ancy.	Cases re- ported.	
NEW ENGLAND.											
Maine:											
Lewiston.....	5	1	0	0	0	0	0	1	2	3	3
Portland.....	0	1	2	0	0	0	6	0	1	0	0
New Hampshire:											
Concord.....	0	1	0	0	0	0	0	1	0	0	0
Vermont:											
Barre.....	0	0	0	0	0	0	0	6	1	0	0
Burlington.....	0	1	0	0	0	0	0	2	2	0	0
Massachusetts:											
Boston.....	5	38	24	0	0	4	1	7	14	17	17
Fall River.....	1	4	1	0	0	1	4	0	1	1	1
Springfield.....	0	3	2	0	0	0	2	0	3	2	2
Worcester.....	0	5	10	0	0	0	0	0	3	3	3
Rhode Island:											
Pawtucket.....	0	1	3	0	0	0	0	1	1	2	2
Providence.....	0	7	5	0	0	6	0	2	4	0	0
Connecticut:											
Bridgeport.....	0	6	6	0	0	0	1	0	2	7	7
Hartford.....	0	5	1	0	1	0	0	0	2	3	3
New Haven.....	1	3	2	0	0	4	0	1	2	3	3
MIDDLE ATLANTIC.											
New York:											
Buffalo.....	0	20	9	0	0	4	0	7	8	12	12
New York.....	12	106	86	11	0	14	18	82	41	35	35
Rochester.....	0	6	0	0	0	0	0	1	4	2	2
Syracuse.....	0	8	7	0	0	0	0	1	5	2	2
New Jersey:											
Camden.....	1	3	7	0	0	0	0	0	1	1	1
Newark.....	7	11	5	1	0	3	1	5	5	3	3
Trenton.....	0	5	0	0	0	0	0	0	0	0	0
Pennsylvania:											
Philadelphia.....	7	42	43	1	9	9	15	20	25	25	25
Pittsburgh.....	13	25	19	0	5	6	14	14	16	16	16
Reading.....	0	2	1	0	0	1	0	0	1	1	1
E. NORTH CENTRAL.											
Ohio:											
Cincinnati.....	4	15	8	0	0	0	0	2	6	10	10
Cleveland.....	5	33	19	2	0	2	3	7	16	12	12
Columbus.....	0	7	1	0	0	0	1	2	4	0	0
Toledo.....	3	13	1	0	0	1	0	3	6	3	3
Indiana:											
Fort Wayne.....	0	4	6	0	0	0	0	1	1	2	2
Indianapolis.....	0	21	4	0	0	0	0	9	5	1	1
South Bend.....	0	1	1	0	0	0	0	1	2	2	2
Terre Haute.....	0	2	0	0	0	0	0	0	1	0	0
Illinois:											
Chicago.....	12	100	53	6	0	14	11	22	56	32	32
Cicero.....	1	4	0	0	0	1	0	0	1	0	0
Springfield.....	0	1	3	0	0	0	0	2	1	0	0
Michigan:											
Detroit.....	2	55	19	1	0	3	1	17	32	21	21
Flint.....	0	7	1	0	0	0	2	1	4	7	7
Grand Rapids.....	0	6	2	0	0	2	0	1	3	3	3
Wisconsin:											
Madison.....	0	1	2	0	0	1	3	0	1	0	0
Milwaukee.....	6	15	6	0	0	5	4	0	18	5	5
Racine.....	0	1	0	0	0	0	0	1	3	4	4
Superior.....	0	1	0	0	0	0	0	0	1	0	0

City reports for week ended September 20, 1924—Continued.

Division, State, and city.	Chick- en pox, cases re- ported.	Diphtheria.		Influenza.		Meas- les, cases re- ported.	Mumps, cases re- ported.	Pneu- monia, deaths re- ported.	Scarlet fever.		
		Cases, esti- mated expect- ancy.	Cases re- ported.	Cases re- ported.	Deaths re- ported.				Cases, esti- mated expect- ancy.	Cases re- ported.	
W. NORTH CENTRAL.											
Minnesota:											
Duluth.....	2	4	0	0	0	0	1	2	2	19	
Minneapolis.....	8	25	18	0	0	0	0	3	11	22	
St. Paul.....		15	20	0	0	0		3	7	10	
Iowa:											
Davenport.....	0	2	1	0		0	0		1	0	
Des Moines.....	0	5	3	0		0	0		6	5	
Sioux City.....	0	2	2	0		0	0		1	2	
Waterloo.....	0	1	0	0		0	0		1	0	
Missouri:											
Kansas City.....	1	9	1	1	1	1	0	7	4	5	
St. Joseph.....	0	2	1	0	0	0	0	1	2	1	
St. Louis.....	2	43	28	0	0	1	0		15	79	
North Dakota:											
Fargo.....	1	1	0	0	0	0	0	0	1	0	
Grand Forks.....		1							2		
South Dakota:											
Aberdeen.....			0	0		1	1			1	
Sioux Falls.....	0	0	1	0	0	0	0	0	1	0	
Nebraska:											
Lincoln.....	1	1	4	0	0	0	1	1	1	1	
Omaha.....	1	14	19	0	0	0	0	5	2	1	
Kansas:											
Topeka.....	4	2	0	0	0	0	5	0	2	3	
Wichita.....	0	3	0	0	0	0	2	1	2	0	
SOUTH ATLANTIC.											
Delaware:											
Wilmington.....	0	1	5	0	0	0	0	2	2	1	
Maryland:											
Baltimore.....	5	16	17	2	0	5	2	14	8	4	
Cumberland.....		1	2	0	0	0		1	1	0	
Frederick.....		1	0	1	1	0		0	0	0	
District of Co- lumbia:											
Washington.....	0	8	7	0	0	2	0	6	6	8	
Virginia:											
Lynchburg.....		1	6	0	0	0	5	0	0	0	
Norfolk.....	0	3	3	0	0	0	2	1	1	1	
Richmond.....	0	12	20	0	0	1	0	2	5	4	
Roanoke.....	0	5	4	0	0	0	0	0	1	1	
West Virginia:											
Charleston.....	0	2	0	0	0	0	0	1	2	3	
Huntington.....	0	3	1	0		0	0		1	6	
Wheeling.....	1	2	1	0	0	0	0	1	2	1	
North Carolina:											
Raleigh.....	0	3	3	0	0	0	0	1	1	0	
Wilmington.....	0	2	1	0	0	0	0	0	1	0	
Winston-Salem.....	0	3	18	0	0	0	1	0	1	4	
South Carolina:											
Charleston.....	0	1	2	0	0	0	0	0	0	0	
Columbia.....	0	3	1	0	0	0	0	0	0	0	
Greenville.....	0	1	0	0	0	0	0	0	1	0	
Georgia:											
Atlanta.....	0	8	4	0	0	0	0	5	5	4	
Brunswick.....		0							0		
Savannah.....	0	2	0	0	0	0	0	1	1	1	
Florida:											
St. Petersburg.....	0		0	0	0	0	0	0		0	
Tampa.....		2	0	0	0	0		1	0	0	
EAST SOUTH CENTRAL.											
Kentucky:											
Covington.....	0	2	0	0	0	0	0	0	0	2	
Lexington.....	0	1	0	0	0	0	0	2	1	0	
Louisville.....	1	10	3	0	0	0	0	5	3	3	
Tennessee:											
Memphis.....	0	9	4	0	0	0	0	1	2	4	
Nashville.....		4	0	0	0	0		1	3	1	

City reports for week ended September 20, 1924—Continued.

Division, State, and city.	Chick- en pox, cases re- ported	Diphtheria.		Influenza.		Meas- les, cases re- ported.	Mumps, cases re- ported.	Pneu- monia, deaths re- ported.	Scarlet fever.	
		Cases, esti- mated expect- ancy.	Cases re- ported.	Cases re- ported.	Deaths re- ported.				Cases, esti- mated expect- ancy.	Cases re- ported.
EAST SOUTH CENTRAL—CON.										
Alabama:										
Birmingham.....	1	7	1	0	0	0	2	1	4	3
Mobile.....	0	2	0	0	0	0	0	0	0	1
Montgomery.....	0	1	5	0	0	0	0	1	1	0
WEST SOUTH CENTRAL.										
Arkansas:										
Fort Smith.....	0	1	0	0		0	0		1	0
Little Rock.....	0	1	1	0	0	0	0	1	2	0
Louisiana:										
New Orleans.....	0	10	7	2	2	1	0	5	2	5
Shreveport.....	0		0	0	0	0	0	1		0
Oklahoma:										
Oklahoma.....	0	2	2	0	0	0	0	1	1	4
Tulsa.....	0	1	0	0		1	0		2	2
Texas:										
Dallas.....	0	7	1	0	1	0	0	0	2	2
Galveston.....	0	0	0	0	0	0	0	1	0	2
Houston.....		2	4	0	0	0		1	0	1
San Antonio.....		0	0	0	0	0		4	0	0
MOUNTAIN.										
Montana:										
Billings.....	0	0	0	0	0	0	0	0	0	1
Great Falls.....	1	1	2	0	0	0	0	0	0	3
Helena.....	0	0	0	0	0	0	0	0	0	0
Missoula.....	0	0	0	0	0	0	0	1	1	0
Idaho:										
Boise.....	0	1	0	0	0	0	0	0	1	0
Colorado:										
Denver.....	3	13	10	0	0	0	1	4	4	3
Pueblo.....	0	4	0	0	0	0	0	2	1	0
New Mexico:										
Albuquerque.....		1	0	0	0	0		2	1	0
Utah:										
Salt Lake City.....	3	2	3	0	0	0	3	0	2	0
Nevada:										
Reno.....	0	0	0	0	0	0	0	1	0	2
PACIFIC.										
Washington:										
Seattle.....		4							5	
Spokane.....		2							5	
Tacoma.....		2							2	
Oregon:										
Portland.....	7	3	5	0	0	4	2	4	4	5
California:										
Los Angeles.....	9	24	26	5	0	2	3	9	7	12
Sacramento.....	0	2	7	0	0	0	0	3	1	0
San Francisco.....	6	16	11	0	0	1	13	3	6	2

City reports for week ended September 20, 1924—Continued.

Division, State, and city.	Popula- tion July 1, 1923, estimated.	Smallpox.			Tuberculosis, deaths re- ported.	Typhoid fever.			Whooping cough, cases reported.	Deaths, all causes.
		Cases, estimated expectancy.	Cases reported.	Deaths reported.		Cases, estimated expectancy.	Cases reported.	Deaths reported.		
NEW ENGLAND.										
Maine:										
Lewiston.....	33,790	0	0	0	0	1	0	0	0	7
Portland.....	73,120	0	0	0	0	2	2	0	0	20
New Hampshire:										
Concord.....	22,408	0	0	0	0	0	0	0	0	8
Vermont:										
Barre.....	*10,008	0	0	0	1	0	0	0	2	4
Burlington.....	23,613	0	0	0	0	0	0	0	1	10
Massachusetts:										
Boston.....	770,400	0	0	0	14	7	2	1	11	174
Fall River.....	120,912	0	0	0	2	3	1	0	2	30
Springfield.....	144,227	0	0	0	0	1	0	0	0	23
Worcester.....	191,927	0	0	0	3	2	2	0		33
Rhode Island:										
Pawtucket.....	68,799	0	0	0	1	1	0	0		16
Providence.....	242,378	0	0	0	2	1	3	0	2	59
Connecticut:										
Bridgeport.....	*143,555	0	0	0	3	0	1	0	1	23
Hartford.....	*138,036	0	0	0	1	1	1	0	4	25
New Haven.....	172,967	0	0	0	0	3	0	1	9	32
MIDDLE ATLANTIC.										
New York:										
Buffalo.....	536,718	0	0	0	4	3	2	1	22	134
New York.....	5,927,625	0	0	0	104	45	25	1	169	1,094
Rochester.....	317,867	0	0	0	1	2	1	0		56
Syracuse.....	184,511	0	0	0	1	2	0	0	1	31
New Jersey:										
Camden.....	124,157	0	1	0	4	2	1	1	3	20
Newark.....	438,699	0	0	0	6	3	6	0	77	92
Trenton.....	127,390	0	0	0	1	1	0	0	8	29
Pennsylvania:										
Philadelphia.....	1,922,788	0	0	0	31	17	19	2	84	377
Pittsburgh.....	613,442	0	2	0	7	4	6	1	8	149
Reading.....	110,917	0	0	0	0	1	0	1	14	33
EAST NORTH CENTRAL.										
Ohio:										
Cincinnati.....	406,312	1	0	0	10	2	4	0	2	84
Cleveland.....	868,519	1	0	0	10	3	2	0	30	152
Columbus.....	261,082	0	0	0	5	1	0	0	0	67
Toledo.....	268,338	0	1	1	5	3	1	1	13	53
Indiana:										
Fort Wayne.....	93,573	0	1	0	0	1	0	0	0	17
Indianapolis.....	342,718	1	6	0	4	3	3	0		97
South Bend.....	76,709	0	0	0	0	0	0	0	0	7
Terre Haute.....	68,930	0	0	0	1	1	0	0	0	26
Illinois:										
Chicago.....	2,886,121	0	2	0	32	8	6	0	101	543
Cicero.....	55,968	0	0	0	1	0	0	0	7	5
Springfield.....	61,833	0	0	0	0	2	0	0		15
Michigan:										
Detroit.....	995,668	2	3	0	15	6	9	0	81	213
Flint.....	117,968	1	0	0	0	2	0	0	0	22
Grand Rapids.....	145,947	0	0	0	0	1	0	0	4	24
Wisconsin:										
Madison.....	42,519	0	0			0	0		5	
Milwaukee.....	484,595	1	0	0	3	1	1	0	17	81
Racine.....	64,393	0	2	0	0	0	0	0	2	9
Superior.....	*39,671	1				0				
WEST NORTH CENTRAL.										
Minnesota:										
Duluth.....	106,289	1	0	0	0	1	0	0	4	26
Minneapolis.....	400,125	2	17	0	4	2	1	1	4	75
St. Paul.....	241,891	2	5	0	6	2	2	1		66

*Population Jan. 1, 1920.

City reports for week ended September 20, 1924—Continued.

Division, State, and city.	Population July 1, 1923, estimated.	Smallpox.			Tuberculosis, deaths re- ported.	Typhoid fever.			Whooping cough, cases reported.	Deaths, all causes.
		Cases, estimated expectancy.	Cases reported.	Deaths reported.		Cases, estimated expectancy.	Cases reported.	Deaths reported.		
WEST NORTH CENTRAL—CON.										
Iowa:										
Davenport.....	61,262	1	1	—	—	0	0	—	0	—
Des Moines.....	140,923	0	1	—	—	0	0	—	0	—
Sioux City.....	79,662	0	0	—	—	0	0	—	0	—
Waterloo.....	39,667	0	0	—	—	0	1	—	0	—
Missouri:										
Kansas City.....	351,819	1	0	0	5	3	5	0	11	81
St. Joseph.....	78,233	1	0	0	0	0	0	0	0	29
St. Louis.....	803,853	1	0	0	10	6	8	2	2	195
North Dakota:										
Fargo.....	24,841	0	0	0	0	0	0	0	3	4
Grand Forks.....	14,547	0	—	—	—	0	—	—	—	—
South Dakota:										
Aberdeen.....	15,829	—	3	—	—	—	1	—	1	—
Sioux Falls.....	29,206	0	0	0	0	0	1	0	0	4
Nebraska:										
Lincoln.....	58,761	1	0	0	0	0	0	0	1	10
Omaha.....	204,382	1	1	0	0	1	0	0	0	62
Kansas:										
Topeka.....	52,556	0	0	0	1	1	0	0	0	12
Wichita.....	79,261	1	0	0	0	2	3	1	0	22
SOUTH ATLANTIC.										
Delaware:										
Wilmington.....	117,728	0	0	0	1	2	3	1	0	28
Maryland:										
Baltimore.....	773,580	0	0	0	12	13	8	1	40	187
Cumberland.....	32,361	0	0	0	0	2	0	0	—	7
Frederick.....	11,301	0	0	0	0	0	1	0	—	4
District of Columbia:										
Washington.....	*437,571	0	0	0	5	5	8	3	6	99
Virginia:										
Lynchburg.....	30,277	0	0	0	0	1	0	0	1	8
Norfolk.....	159,089	0	0	0	4	1	0	0	1	—
Richmond.....	181,044	0	0	0	4	2	0	1	6	42
Roanoke.....	55,502	0	0	0	0	2	1	0	0	9
West Virginia:										
Charleston.....	45,597	0	0	0	1	1	0	1	1	16
Huntington.....	57,918	0	0	—	—	1	0	—	0	—
Wheeling.....	*56,208	0	0	0	0	0	8	0	0	17
North Carolina:										
Raleigh.....	29,171	0	0	0	1	1	0	0	6	12
Wilmington.....	35,719	0	0	0	0	1	1	0	0	8
Winston-Salem.....	56,230	0	0	0	0	1	1	0	3	14
South Carolina:										
Charleston.....	71,245	0	0	0	1	2	0	0	0	17
Columbia.....	39,688	0	0	0	0	1	0	0	1	19
Greenville.....	25,789	0	0	0	1	0	0	0	1	8
Georgia:										
Atlanta.....	222,963	1	0	0	5	5	1	2	2	69
Brunswick.....	15,937	—	—	—	—	0	—	—	—	—
Savannah.....	89,448	0	0	0	1	1	0	0	0	20
Florida:										
St. Petersburg.....	24,403	0	0	0	0	0	0	0	0	3
Tampa.....	56,050	0	1	0	1	1	0	0	—	12
EAST SOUTH CENTRAL.										
Kentucky:										
Covington.....	57,877	0	0	0	0	0	0	0	0	14
Lexington.....	43,673	0	0	0	1	1	1	0	0	17
Louisville.....	257,671	0	0	0	4	6	3	1	1	67
Tennessee:										
Memphis.....	170,067	0	0	0	5	2	8	3	0	53
Nashville.....	121,128	0	0	0	3	4	1	1	—	53
Alabama:										
Birmingham.....	195,901	1	8	0	3	4	0	0	3	46
Mobile.....	63,858	0	0	0	0	0	3	0	0	17
Montgomery.....	45,383	0	0	0	0	0	0	0	0	—

*Population Jan. 1, 1920.

City reports for week ended September 20, 1924—Continued.

Division, State, and city.	Popula- tion, July 1, 1923, estimated.	Smallpox.			Tuberculosis, deaths re- ported.	Typhoid fever.			Whooping cough, cases reported.	Deaths, all causes.
		Cases, estimated expectancy.	Cases reported.	Deaths reported.		Cases, estimated expectancy.	Cases reported.	Deaths reported.		
WEST SOUTH CENTRAL.										
Arkansas:										
Fort Smith.....	30,635	0	2			1	0		7	
Little Rock.....	70,916	0	0	0	3	1	7	0	0	
Louisiana:										
New Orleans.....	404,575	0	0	0	10	5	4	1	0	112
Shreveport.....	54,590		0	0	1		2	0	0	20
Oklahoma:										
Oklahoma.....	101,150	0	0	0	1	2	4	2	0	23
Tulsa.....	102,018	0	0			2	2		0	
Texas:										
Dallas.....	177,274	0	0	0	1	2	2	0	7	39
Galveston.....	46,877	0	0	0	1	0	0	0	0	14
Houston.....	154,970	0	1	0	2	1	0	0		48
San Antonio.....	184,727	0	0	0	7	0	0	0		36
MOUNTAIN.										
Montana:										
Billings.....	16,927	0	0	0	0	0	0	0	1	3
Great Falls.....	27,787	0	0	0	0	1	0	0	0	13
Helena.....	*12,037	0	0	0	1	0	0	0	0	4
Missoula.....	*12,668	0	2	0	0	1	0	0	0	3
Idaho:										
Boise.....	22,806	1	0	0	0	1	0	0	0	5
Colorado:										
Denver.....	272,031	1	0	0	0	5	3	0	6	72
Pueblo.....	43,519	0	0	0	0	2	0	0	0	11
New Mexico:										
Albuquerque.....	16,648	0	0	0	6	2	4	0		11
Utah:										
Salt Lake City.....	126,241	1	0	0	1	2	5	0	5	31
Nevada:										
Reno.....	12,429	0	0	0	0	0	0	0	0	5
PACIFIC.										
Washington:										
Seattle.....	*315,685	1				1				
Spokane.....	104,573	2				1				
Tacoma.....	101,731	0				1				
Oregon:										
Portland.....	273,621	3	7	0	2	2	4	0	0	
California:										
Los Angeles.....	666,853	1	30	0	14	6	1	1	20	184
Sacramento.....	69,950	0	1	0	0	1	2	0	0	15
San Francisco.....	539,038	1	0	0	9	1	5	0	4	122

* Population Jan. 1, 1920.

City reports for week ended September 20, 1924—Continued.

Division, State, and city.	Cerebro-spinal meningitis.		Lethargic encephalitis.		Pellagra.		Poliomyelitis (infantile paralysis).		Typhus fever.		
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases, est. expectancy.	Cases.	Deaths.	Cases.	Deaths.
NEW ENGLAND.											
Maine:											
Portland.....	0	0	0	0	0	0	0	1	0	0	0
Massachusetts:											
Boston.....	1	1	0	0	0	0	2	3	0	0	0
Fall River.....	0	1	0	0	0	0	0	6	0	0	0
Springfield.....	0	0	0	0	0	0	0	1	0	0	0
Worcester.....	0	0	0	0	0	0	0	1	0	0	0
Rhode Island:											
Pawtucket.....	0	0	0	0	0	0	0	1	0	0	0
Providence.....	0	0	0	0	0	0	1	1	0	0	0
Connecticut:											
Hartford.....	0	0	0	0	0	0	0	2	0	0	0
MIDDLE ATLANTIC.											
New York:											
New York.....	3	1	7	4	0	0	7	23	7	0	0
Rochester.....	0	0	0	0	0	0	0	1	0	0	0
Syracuse.....	0	0	0	0	0	0	1	3	0	0	0
New Jersey:											
Newark.....	0	1	0	0	0	0	0	1	0	0	0
Pennsylvania:											
Philadelphia.....	0	0	0	0	0	0	1	2	0	0	0
Pittsburgh.....	0	0	0	0	0	0	1	2	0	0	0
EAST NORTH CENTRAL.											
Ohio:											
Cincinnati.....	1	0	0	0	0	0	0	0	0	0	0
Cleveland.....	0	0	0	0	0	0	1	2	0	0	0
Toledo.....	0	0	0	0	0	0	1	2	0	0	0
Indiana:											
Fort Wayne.....	0	0	0	0	0	0	0	1	0	0	0
South Bend.....	0	0	0	0	0	0	0	1	0	0	0
Illinois:											
Chicago.....	1	0	1	1	0	0	4	8	0	0	0
Michigan:											
Detroit.....	2	0	1	1	0	0	1	33	7	0	0
Grand Rapids.....	0	0	0	0	0	0	1	1	0	0	0
WEST NORTH CENTRAL.											
Iowa:											
Waterloo.....	0	0	0	0	0	0	0	2	0	0	0
Missouri:											
Kansas City.....	1	0	0	0	0	0	1	0	0	0	0
St. Louis.....	0	0	0	0	0	0	1	2	0	0	0
North Dakota:											
Fargo.....	0	0	0	0	0	0	0	1	1	0	0
Kansas:											
Topeka.....	0	0	0	0	0	0	0	1	1	0	0
SOUTH ATLANTIC.											
Maryland:											
Baltimore.....	0	0	0	0	0	0	1	9	1	0	0
District of Columbia:											
Washington.....	0	0	0	0	0	0	0	2	0	0	0
Virginia:											
Richmond.....	0	0	0	0	0	0	1	0	0	1	0
West Virginia:											
Wheeling.....	0	0	0	0	0	0	0	1	1	0	0
South Carolina:											
Charleston.....	0	0	0	0	0	1	0	0	0	0	0
Columbia.....	0	0	0	0	0	2	0	0	0	0	0
WEST SOUTH CENTRAL.											
Arkansas:											
Little Rock.....	0	0	0	0	0	1	0	0	0	0	0
Louisiana:											
New Orleans.....	0	0	0	0	0	0	0	1	0	0	0
Oklahoma:											
Oklahoma City.....	0	0	0	1	0	0	0	0	0	0	0
Texas:											
Dallas.....	0	0	0	0	1	1	0	0	0	0	0

City reports for week ended September 20, 1924—Continued.

Division, State, and city.	Cerebro-spinal meningitis.		Lethargic encephalitis.		Pellagra.		Poliomyelitis (infantile paralysis).		Typhus fever.		
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases, est. expectancy.	Cases.	Deaths.	Cases.	Deaths.
MOUNTAIN.											
Montana:											
Missoula.....	0	0	0	0	0	0	0	9	1	0	0
New Mexico:											
Albuquerque.....	0	0	0	0	0	0	1	1	0	0	0
Utah:											
Salt Lake City.....	1	1	0	0	0	0	0	0	0	0	0
Nevada:											
Reno.....	0	0	0	0	0	0	0	1	0	0	0
PACIFIC.											
Oregon:											
Portland.....	0	0	0	1	0	0	0	0	0	0	0
California:											
Los Angeles.....	1	0	2	0	0	0	1	0	0	0	0

The following table gives a summary of the reports from 105 cities for the 10-week period ended September 20, 1924. The cities included in this table are those whose reports have been published for all 10 weeks in the Public Health Reports. Eight of these cities did not report deaths. The aggregate population of the cities reporting cases was estimated at nearly 29,000,000 on July 1, 1923, which is the latest date for which estimates are available. The cities reporting deaths had more than 28,000,000 population on that date. The number of cities included in each group and the aggregate population are shown in a separate table below.

Summary of weekly reports from cities, July 13 to September 20, 1924.

DIPHTHERIA CASES.

	1924, week ended—									
	July 19.	July 26.	Aug. 2.	Aug. 9.	Aug. 16.	Aug. 23.	Aug. 30.	Sept. 6.	Sept. 13.	Sept. 20.
Total.....	652	500	477	538	456	404	480	455	521	649
New England.....	71	59	47	60	47	48	35	49	¹ 35	56
Middle Atlantic.....	274	222	188	197	149	189	167	139	139	177
East North Central.....	120	99	83	103	91	88	² 69	85	68	³ 125
West North Central.....	38	37	40	43	38	49	50	47	91	90
South Atlantic.....	28	21	26	22	40	39	⁴ 68	70	⁵ 73	⁶ 94
East South Central.....	2	6	3	6	7	9	8	7	7	13
West South Central.....	5	15	12	7	13	15	11	10	18	13
Mountain.....	25	14	5	10	22	14	16	19	12	15
Pacific.....	93	87	71	90	49	43	56	29	58	⁷ 66

¹ Figures for Barre, Vt., estimated. Reports not received at time of going to press.² Figures for Cleveland, Ohio, estimated.³ Figures for Superior, Wis., estimated.⁴ Figures for Raleigh, N. C., estimated.⁵ Figures for Wilmington, Del., and Tampa, Fla., estimated.⁶ Figures for Brunswick, Ga., estimated.⁷ Figures for Seattle, Spokane, and Tacoma, Wash., estimated.

Summary of weekly reports from cities, July 13 to September 20, 1924—Continued.

MEASLES CASES.

	1924, week ended—									
	July 19.	July 26.	Aug. 2.	Aug. 9.	Aug. 16.	Aug. 23.	Aug. 30.	Sept. 6.	Sept. 13.	Sept. 20.
Total.....	676	528	406	253	178	136	121	109	102	87
New England.....	52	59	41	11	23	23	26	11	¹ 14	9
Middle Atlantic.....	283	204	160	97	65	46	41	56	40	36
East North Central.....	202	155	126	75	51	37	² 25	18	25	³ 28
West North Central.....	35	22	16	11	7	4	9	3	4	2
South Atlantic.....	55	43	34	36	16	10	⁴ 11	11	⁵ 11	⁶ 8
East South Central.....	13	6	3	2	4	5	1	1	1	0
West South Central.....	3	5	3	0	1	1	0	1	0	1
Mountain.....	7	6	7	3	1	1	4	2	4	0
Pacific.....	26	28	16	18	10	9	4	6	3	⁷ 3

SCARLET FEVER CASES.

Total.....	441	340	369	360	248	291	367	253	359	462
New England.....	39	38	40	36	24	28	29	35	¹ 33	38
Middle Atlantic.....	114	90	73	85	49	55	69	50	48	97
East North Central.....	102	90	126	108	57	74	² 74	68	97	³ 99
West North Central.....	93	65	65	61	61	75	58	48	104	142
South Atlantic.....	33	15	20	21	12	21	⁴ 26	22	⁵ 24	⁶ 32
East South Central.....	7	7	2	3	10	13	9	2	6	14
West South Central.....	5	9	11	5	9	5	5	5	10	10
Mountain.....	14	6	7	12	5	4	17	3	10	9
Pacific.....	34	21	25	29	21	16	20	20	27	⁷ 21

SMALLPOX CASES.

Total.....	158	108	116	106	93	71	88	66	64	88
New England.....	0	0	0	0	0	0	0	0	¹ 0	0
Middle Atlantic.....	17	9	9	7	8	3	11	4	2	3
East North Central.....	44	36	28	23	16	20	² 12	9	16	³ 14
West North Central.....	33	13	18	15	28	5	25	9	11	24
South Atlantic.....	5	3	3	4	6	4	⁴ 2	5	⁵ 2	⁶ 1
East South Central.....	18	13	16	8	13	14	13	16	3	8
West South Central.....	0	0	2	0	0	1	1	1	4	3
Mountain.....	4	2	2	1	1	2	2	0	0	2
Pacific.....	37	32	38	48	21	22	22	22	26	⁷ 33

TYPHOID FEVER CASES.

Total.....	197	191	191	250	232	238	220	199	229	198
New England.....	7	6	4	6	15	8	12	6	¹ 9	12
Middle Atlantic.....	50	59	59	63	63	65	41	50	59	54
East North Central.....	20	17	20	30	29	22	² 22	27	31	³ 25
West North Central.....	10	11	9	22	22	17	28	11	19	21
South Atlantic.....	36	25	31	44	37	35	⁴ 34	36	⁵ 47	⁶ 33
East South Central.....	31	29	36	40	24	49	48	32	25	15
West South Central.....	26	22	17	19	26	29	25	10	15	15
Mountain.....	4	7	4	5	9	0	7	13	9	8
Pacific.....	13	15	11	21	7	13	3	14	15	⁷ 15

¹ Figures for Barre, Vt., estimated. Reports not received at time of going to press.² Figures for Cleveland, Ohio, estimated.³ Figures for Superior, Wis., estimated.⁴ Figures for Raleigh, N. C., estimated.⁵ Figures for Wilmington, Del., and Tampa, Fla., estimated.⁶ Figures for Brunswick, Ga., estimated.⁷ Figures for Seattle, Spokane, and Tacoma, Wash., estimated.

Summary of weekly reports from cities, July 13 to September 20, 1924—Con.

INFLUENZA DEATHS.

	1924, week ended—									
	July 19.	July 26.	Aug. 2.	Aug. 9.	Aug. 16.	Aug. 23.	Aug. 30.	Sept. 6.	Sept. 13.	Sept. 20.
Total.....	5	3	13	8	8	7	13	4	6	7
New England.....	0	1	2	0	0	0	1	0	¹ 0	1
Middle Atlantic.....	1	0	6	3	4	1	4	3	2	1
East North Central.....	1	0	0	2	2	2	² 3	0	3	³ 0
West North Central.....	1	1	2	0	0	0	0	0	0	1
South Atlantic.....	1	1	1	2	0	3	⁴ 2	1	⁵ 1	⁶ 1
East South Central.....	0	0	1	0	0	0	1	0	0	0
West South Central.....	0	0	0	1	0	1	2	0	0	3
Mountain.....	0	0	0	0	0	0	0	0	0	0
Pacific.....	1	0	1	0	2	0	0	0	0	0

PNEUMONIA DEATHS.

Total.....	307	304	292	269	271	251	315	313	306	307
New England.....	14	16	17	14	14	12	19	14	¹ 16	12
Middle Atlantic.....	127	126	131	121	115	102	136	152	120	125
East North Central.....	53	58	50	51	48	48	² 55	53	53	³ 67
West North Central.....	17	13	14	9	17	13	18	9	23	22
South Atlantic.....	37	35	36	29	32	38	⁴ 34	32	⁵ 37	⁶ 36
East South Central.....	12	15	12	10	10	5	12	17	15	9
West South Central.....	22	20	11	14	12	10	11	8	10	13
Mountain.....	4	7	4	8	7	10	13	11	10	8
Pacific.....	21	14	17	13	16	13	17	17	22	15

¹ Figures for Barre, Vt., estimated. Reports not received at time of going to press.² Figures for Cleveland, Ohio, estimated.³ Figures for Superior, Wis., estimated.⁴ Figures for Raleigh, N. C., estimated.⁵ Figures for Wilmington, Del., and Tampa, Fla., estimated.⁶ Figures for Brunswick, Ga., estimated.

Number of cities included in summary of weekly reports and aggregate population of cities in each group, estimated as of July 1, 1923.

Group of cities.	Number of cities reporting cases.	Number of cities reporting deaths.	Aggregate population of cities reporting cases.	Aggregate population of cities reporting deaths.
Total.....	105	97	28,898,350	28,140,934
New England.....	12	12	2,098,746	2,098,746
Middle Atlantic.....	10	10	10,304,114	10,304,114
East North Central.....	17	17	7,032,535	7,032,535
West North Central.....	14	11	2,515,330	2,381,454
South Atlantic.....	22	22	2,566,901	2,566,901
East South Central.....	7	7	911,885	911,885
West South Central.....	8	6	1,124,564	1,023,013
Mountain.....	9	9	546,445	546,445
Pacific.....	6	3	1,797,830	1,275,841

FOREIGN AND INSULAR.

CHINA.

Epidemic Foot and Mouth Disease—Yunnan.

Information dated August 11, 1924, shows epidemic foot and mouth disease in cattle to be present in Lungling district, Province of Yunnan, China. The epidemic was stated to be apparently general.

CUBA.

Communicable Diseases—Habana.

Communicable diseases have been notified at Habana as follows:

Disease.	Sept. 11-20, 1924.		Remain- ing under treat- ment Sept. 20, 1924.
	New cases.	Deaths.	
Chicken pox.....	1	—	1
Diphtheria.....	6	—	1
Leprosy.....	1	1	10
Malaria.....	16	1	19
Measles.....	4	—	1
Paratyphoid fever.....	—	—	1
Scarlet fever.....	1	—	2
Typhoid fever.....	20	1	94

¹ On September 13 and 14, 1924, five cases removed to Leper Asylum at Rincon, Habana Province.

² From the interior, 9.

³ From the interior, 39.

EGYPT.

Status of Plague.

During the period January 1 to August 28, 1924, 350 cases of plague with 177 deaths were reported in Egypt. The first case occurred January 2 at Suez, and the last case August 27, 1924, in Assiout Province. One case with one death occurred at Alexandria, one case with one death at Ismailia, four cases with two deaths at Port Said, and 15 cases with 8 deaths at Suez. For distribution of occurrence according to locality, or district, see page 2597.

ESTHONIA.

Communicable Diseases—July, 1924.

During the month of July, 1924, communicable diseases were reported in Esthonia as follows:

Disease.	Cases.	Disease.	Cases.
Diphtheria.....	28	Tuberculosis.....	161
Measles.....	7	Typhoid fever.....	102
Paratyphoid fever.....	15	Typhus fever.....	2
Scarlet fever.....	13		

Population, census 1922—1,107,059.

FINLAND.

Communicable Diseases—August 16-31, 1924.

Communicable diseases have been notified in Finland for the period August 16 to 31, 1924, as follows:

Disease.	Cases.	Disease.	Cases.
Diphtheria.....	33	Poliomyelitis (infantile paralysis).....	6
Dysentery.....	40	Scarlet fever.....	25
Lethargic encephalitis.....	1	Typhoid fever.....	64
Paratyphoid fever.....	57		

Population, 3,402,593.

GREAT BRITAIN.

Further Relative to Typhus Fever—St. Helens.¹

On August 19, 1924, two cases of typhus fever were reported at St. Helens, a locality situated about 12 miles from Liverpool, England, with a suspect case which had developed during the period July 10 to August 7, 1924. Later information, dated September 11, 1924, shows a total occurrence of 7 cases with 3 deaths, as follows:

The first case, with onset about July 13, 1924, was in a 10-year-old girl who had been removed to hospital for pneumonia. This case was diagnosed typhus fever from blood test after the death of a sister, the second case, on August 14. The father of these two cases was the third case, with onset about August 7. The attack was mild and the patient recovered. The fourth case was in a sister of the first two cases; the fifth case was the wife of case 3; the sixth a sister of case 3; and case 7 was in a young man who lived next door to the family of the other cases.

All cases were verminous, and all were close contacts.

Ten contacts were stated to be in hospital September 11, and 90 others under observation.

¹ See Public Health Reports, Sept. 19, 1924, p. 2447.

The origin of the outbreak had not been determined at the time of the report.

The last previous outbreak of typhus in England was stated to have occurred in Birkenhead in February and March, 1922, with 12 cases and 3 deaths.

GUATEMALA.

Quarantine Against Yellow Fever in Salvador.

The existence of yellow fever in the Republic of Salvador, which borders Guatemala along the Pacific coast, has been responsible for the issuance of the following quarantine by Guatemalan authorities. This quarantine was published on September 3, 1924, and is as follows:

The Superior Board of Health of Guatemala issues the following instructions:

(1) All steamers coming from the infected country must anchor at such a distance from the coast that mosquitoes may not be able to fly from the steamers to the coast and vice versa. The distance from the coast must be at least 1 mile.

(2) Every person proceeding from the infected country who cares to land must show a certificate of injection against yellow fever (Noguchi), and this injection must have been made at least 10 days before the date of landing. This certificate must be signed and sealed by the board of health, yellow fever commission, in the country of departure. After this requirement is fulfilled, said persons may proceed to any part of Guatemala.

(3) No persons will be allowed to land, regardless whether they be official or private persons, without previously exhibiting their certificate of injection (Noguchi), signed and sealed by the board of health, yellow fever commission.

(4) All the workmen employed at the Pacific coast ports and all those who by necessity must visit the steamers must also have a yellow fever injection (Noguchi). They will be obliged always to carry their certificate of injection in order that it may be exhibited to the respective authorities before going aboard steamers. No person will be allowed to go on board steamers to work or for any other purpose who has not exhibited his certificate of injection. This restriction includes the agents of official steamship companies, etc.

(5) All persons proceeding from the infected country, without exception, who may come from the towns of the departments along the border, that is overland, must also show their certificate of injection (Noguchi) taken 10 days before the date of their entry into the country, signed and sealed by the board of health, yellow fever commission, in the country of departure. All governors, mayors, and sanitary officers in all towns and villages in the departments of Jutiapa, Chiquimula, Santa Rosa, and Zacapa, are under obligation to comply with and enforce the foregoing instructions.

JAMAICA.

Smallpox (Reported as Alastrim).

During the week ended September 13, 1924, 22 cases of smallpox (reported as alastrim) were notified in the island of Jamaica. Of these, four cases were reported for the Parish of Kingston.

Chicken Pox.

During the same period one case of chicken pox was reported in the island.

JAPAN.

Epidemic Diseases—July, 1924—January–July, 1924.

The following information was taken from statistics of the Imperial Japanese Department of Home Affairs, published in the Official Gazette of September 6, 1924:

Disease.	July, 1924.		January–July, 1924.	
	Cases.	Deaths.	Cases.	Deaths.
Cerebrospinal meningitis.....	25	22	299	147
Diphtheria.....	557	126	7,946	1,950
Dysentery.....	3,720	1,350	6,545	2,495
Paratyphoid fever.....	726	73	2,162	251
Plague.....	1	1	4	3
Scarlet fever.....	115	5	1,135	73
Smallpox.....	51	9	1,693	294
Typhoid fever.....	6,351	1,098	26,710	5,557
Typhus fever.....	2	—	8	1

MADAGASCAR.

Plague—July 16–31, 1924.

During the period July 16 to 31, 1924, 31 cases of plague with 31 deaths were reported in the island of Madagascar. The occurrence was in the Province of Tananarive, 2 cases with 2 deaths being reported for the town of Tananarive and 29 cases with 29 deaths for other localities in the Province. In the town of Tananarive the types of the disease were stated to be bubonic and pneumonic; in the other localities the types were stated to be bubonic, pneumonic, and septicemic.

PANAMA CANAL.

Communicable Diseases—August, 1924.

During the month of August, 1924, communicable diseases were reported in the Panama Canal Zone, Colon, and Panama as follows:

Disease.	Canal Zone.	Colon.	Panama.	Non-resident.	Total.
Chicken pox.....	9	—	3	—	12
Diphtheria.....	1	—	6	—	7
Dysentery.....	1	—	9	—	10
Hookworm disease.....	5	—	—	—	5
Malaria.....	112	3	9	41	165
Measles.....	13	3	7	—	23
Mumps.....	14	—	—	—	14
Pneumonia.....	3	2	13	—	18
Poliomyelitis.....	—	—	1	—	1
Scarlet fever.....	2	—	1	—	3
Typhoid fever.....	—	—	1	2	3
Trichinosis.....	1	—	—	—	1
Trachoma.....	—	3	—	—	3
Tuberculosis.....	5	5	26	—	36
Vincent's Angina.....	2	—	—	—	2
Whooping cough.....	3	1	—	—	4
Yaws.....	—	—	2	—	2

RUSSIA.

Communicable Diseases—Moscow (Comparative).

Certain communicable diseases have been reported at Moscow, Russia, for the weeks ended August 3 and August 9, 1924, as follows:

Disease.	Cases.	
	Week ended Aug. 9, 1924.	Week ended Aug. 3, 1924.
Malaria.....	124	93
Scarlet fever.....	239	220
Smallpox.....	20	17
Typhoid fever.....	35	44
Typhus fever.....	3	1

International Conference to Combat Malaria—Moscow.

An international conference to combat malaria was stated to have been opened at Moscow, Russia, July 13, 1924. The conference was said to have been attended by representatives of scientific institutions of 11 European countries and a commission of the League of Nations.

UNION OF SOUTH AFRICA.

Influenza.¹

During the week ended August 9, 1924, several further severe cases of influenza were reported at Simonstown, Cape Province. During the week ended August 16, 1924, influenza was reported to be more or less prevalent throughout the Union of South Africa. It was stated to be mostly mild in type, with a few severe or complicated cases. In the Cape Town municipality nine deaths from influenza, including influenzal pneumonia, were reported from July 1 to August 25, 1924.

Plague—July, 1924.

During the month of July, 1924, four cases of plague with two deaths were reported in the colored population in the Union of South Africa.

Smallpox—Typhus Fever—July, 1924.

During the month of July, 1924, 12 deaths from smallpox occurring in the native or colored population and 3 cases occurring in the white population were reported in the Union of South Africa.

During the same period typhus fever was reported as follows: In the colored population 84 cases with 19 deaths, and among the white population 8 cases. For distribution of occurrence among the colored population, see page 2598.

¹ See Public Health Reports, Sept. 26, 1924, p. 2495.

Smallpox—August 10-16, 1924.

During the week ended August 16, 1924, fresh outbreaks of smallpox were reported occurring in two districts of the Cape Province and in one district of the Transvaal.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER.

The reports contained in the following tables must not be considered as complete or final as regards either the lists of countries included or the figures for the particular countries for which reports are given.

Reports Received During Week Ended October 10, 1924.¹

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
India				July 27-Aug. 9, 1924: Cases, 16,083; deaths, 9,650.
Bombay	Aug. 10-16	1		
Calcutta	do	14	14	
Do.	Aug. 24-30	3	2	

PLAGUE.

British East Africa:				
Kenya—				
Kisumu	Aug. 10-16	1		May 1-31, 1924: Cases, 28; deaths, 23. June 1-30, 1924: Cases, 97; deaths, 84.
Uganda				Jan. 1-Aug. 28, 1924: Cases, 350; deaths, 177.
Egypt				
City—				
Alexandria		1	1	First case, Apr. 2; last, Apr. 2.
Ismailia		1	1	First case, July 6; last, July 6.
Port Said		4	2	First case, Apr. 24; last, Aug. 21.
Suez		15	8	First case, Jan. 2; last, Aug. 10.
Province—				
Assiout		44	35	First case, Apr. 1; last, Aug. 27.
Behera		1	1	First case, Aug. 9; last, Aug. 9.
Beni-Suef		3	3	First case, June 21; last, June 21.
Charkieh		1	1	First case, Jan. 31; last, Jan. 31.
Fayoum		106	33	First case, Feb. 18; last, July 18.
Gharbia		3	2	First case, Apr. 21; last, Aug. 22.
Ghirga		10	3	First case, Jan. 17; last, May 13.
Kalioubiah		10	1	First case, Jan. 6; last, May 22.
Kena		44	26	First case, Apr. 9; last, May 17.
Menoufieh		49	32	First case, Jan. 2; last, June 28.
Minia		58	28	First case, Feb. 5; last, Aug. 1.
India				July 27-Aug. 9, 1924: Cases, 351; deaths, 226.
Bombay	Aug. 10-16	6	5	
Madras Presidency	Aug. 3-9	18	13	
Rangoon	Aug. 10-16	26	24	
Japan				July 1-31, 1924: 1 case, 1 death. Jan.-July, 1924: Cases, 4; deaths, 3.
Madagascar:				
Tananarive Province				July 16-31, 1924: Cases, 31; deaths, 31.
Tananarive Town	July 16-31	2	2	
Other localities	do	29	29	
Union of South Africa				July 1-31, 1924: Cases, 4; deaths, 2.

SMALLPOX.

Brazil:				
Rio de Janeiro	Aug. 24-30	3		
British East Africa:				
Northern Rhodesia	Aug. 5-11	5		Natives.
Canada:				
Quebec—				
Montreal	Sept. 14-20	1		
China:				
Foochow	July 27-Aug. 23			Present.

¹ From medical officers of the Public Health Service, American consuls, and other sources.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports received during week ended October 10, 1924—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Egypt:				
Cairo	May 28-June 17	37	10	
India:				July 27-Aug. 9, 1924: Cases, 1,669; deaths, 351.
Bombay	Aug. 10-16	13	7	
Calcutta	do	6	6	
Karachi	Aug. 24-30	11	1	
Madras	do	19	7	
Rangoon	Aug. 10-16	1	1	
Jamaica:				Sept. 6-13, 1924: Cases, 22 (reported as alastrim).
Kingston	Sept. 6-13	4		Reported as alastrim.
Japan:				July 1-31, 1924: Cases, 51; deaths, 9. Jan. 1-July 31, 1924: Cases, 1,606; deaths, 264.
Java:				
East Java—				
Paseroean	July 20-26	7		
Soerabaya	July 27-Aug. 2	85	31	
Mexico:				Including municipalities in Federal district.
Mexico City	Aug. 31-Sept. 6	9		
Portugal:				
Oporto	Sept. 6-13	1		
Russia:				
Moscow	July 27-Aug. 9	37		
Spain:				
Malaga	Sept. 7-13	8		
Union of South Africa:				July 1-31, 1924: 12 deaths among colored population; in white population, 3 cases.
Cape Province	Aug. 10-16			Outbreaks.
Transvaal	do			Outbreak.

TYPHUS FEVER.

Egypt:				
Cairo	May 28-June 17	14	6	
Estonia:				July 1-31, 1924: Cases, 2.
Great Britain:				
St. Helens	July 13-Sept. 11	7	3	Last previous outbreak of typhus in England: At Birkenhead, February-March, 1922: Cases, 12; deaths, 3.
Japan:				July 1-31, 1924: Cases, 2. Jan. 1-July 31, 1924: Cases, 8; 1 death.
Mexico:				Including municipalities in Federal district.
Mexico City	Aug. 31-Sept. 6	3		
Russia:				
Moscow	July 27-Aug. 9	4		
Spain:				
Malaga	Sept. 6-13		1	
Turkey:				
Constantinople	Aug. 24-30	2		
Union of South Africa:				July 1-31, 1924: Cases, 101; deaths, 19. (Colored, 95 cases; white, 8 cases.)
Cape Province				July 1-31, 1924: Cases, 50; deaths, 6.
Natal				July 1-31, 1924: Cases, 9.
Orange Free State				July 1-31, 1924: Cases, 26; deaths, 11.
Transvaal				July 1-31, 1924: Cases, 8; deaths, 2.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from June 28 to October 3, 1924.¹

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
India.....				Apr. 20-June 28, 1924: Cases, 81,035; deaths, 56,740.
Do.....				June 29-July 23, 1924: Cases, 31,336; deaths, 18,144.
Bombay.....	May 4-10.....	1		
Do.....	June 29-Aug. 9.....	17	10	
Calcutta.....	May 11-June 28.....	293	239	
Do.....	June 29-Aug. 23.....	118	100	
Madras.....	June 1-21.....	7	6	
Do.....	June 29-Aug. 23.....	24	14	
Rangoon.....	May 11-June 28.....	98	76	
Do.....	June 29-Aug. 9.....	23	22	
Indo-China.....				Jan. 1-May 31, 1924: Cases, 78; deaths, 37. Corresponding period 1923: Cases, 125, deaths, 37.
Saigon.....	Apr. 27-June 28.....	6	4	Including 100 square kilometers of surrounding country.
Do.....	June 29-Aug. 9.....	6	5	Do.
Persia:				
Bushire.....	June 1-30.....	1	1	
Philippine Islands.....				June 15-28, 1924: 32 cases, 22 deaths, including suspects.
				June 29-July 5, 1924: 5 cases, 4 deaths.
Manila.....	June 22-28.....	1		Suspect. Occurring in a non-resident.
Do.....	July 6-12.....	1	1	
Province—				
Batangas.....	July 1-12.....	4	2	
Bulacan.....	June 21.....	1	1	
Do.....	June 28-July 4.....	1		
Cagayan.....	Mar. 30-Apr. 5.....	1	1	
Laguna.....	May 18-24.....	1	1	
Rizal.....	July 3.....	1	1	
San Pablo.....	July 13-19.....	1	1	
Santo Tomas.....	July 6-12.....	1	1	
Russia:				
Rostov-on-Don.....	Aug. 5-7.....	3		
Siam:				
Bangkok.....	May 4-June 28.....	21	18	
Do.....	June 29-Aug. 2.....	7	4	
Straits Settlements:				
Penang.....	June 1-7.....	1	1	
Singapore.....	June 15-28.....	9	6	
Do.....	June 29-July 5.....	2	1	
On vessel:				
S. S. Argalia.....		1		At Bassorah, Lower Burma, India. Case in European member of crew. Case removed to hospital. Vessel left May 16, 1924; arrived June 8 at Durban, South Africa; left Durban June 10 for Trinidad and Cuba.

PLAGUE.

Algeria:				
Mostaganem.....	July 21-28.....	4		Seaport.
Argentina:				
Chaco Territory.....				April, 1924: Cases reported.
Brazil:				
Porto Alegre.....	July 6-12.....		1	
British East Africa:				
Kenya—				
Kisumu.....	July 13-19.....	1		
Tanganyika Territory.....	Feb. 24-June 7.....	1	2	
Do.....	June 26-July 3.....	3	2	
Uganda—				
Entebbe.....	Feb. 1-Apr. 30.....	59	54	
Canary Islands:				
Teneriffe—				
La Laguna.....	June 20.....	1		

¹ From medical officers of the Public Health Service, American consuls, and other sources.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from June 28 to October 3, 1924—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Celebes:				
Macassar and Menando.....	July 27-Aug. 2.....	-----	-----	1 plague rat.
Ceylon:				
Colombo.....	May 11-June 28.....	11	7	10 plague rodents.
Do.....	June 29-Aug. 16.....	17	15	Plague-infected rodents, 17.
Chile:				
Antofagasta.....	June 1-16.....	4	-----	
China:				
Amoy.....	June 15-28.....	-----	6	
Do.....	June 29-Aug. 9.....	-----	13	
Foochow.....	May 4-June 21.....	-----	25	Cases not reported.
Nanking.....	July 20-Aug. 16.....	-----	-----	Present.
Ecuador:				
Eloy Alfaro.....	May 16-31.....	1	-----	
Guayaquil.....	May 16-June 30.....	4	1	Rats taken, 23,717 found infected, 107.
Do.....	July 1-Aug. 31.....	2	-----	Rats taken, 34,185; found plague-infected, 93.
Posorja.....	July 1-15.....	1	-----	
Puna.....	July 16-31.....	1	-----	
Egypt:				July 2-Aug. 5, 1924: Cases, 12.
City—				Total, Jan. 1-Aug. 5, 1924—cases, 344; corresponding period, preceding year—cases, 1,286.
Alexandria.....	Apr. 2.....	1	1	
Port Said.....	Apr. 24-May 31.....	2	1	
Do.....	Aug. 20-26.....	1	-----	
Suez.....	Jan. 2-June 26.....	11	5	
Do.....	June 27-Aug. 5.....	3	-----	
Province—				
Assiout.....	Apr. 1-June 18.....	40	31	
Beni-Suef.....	June 21.....	3	3	
Charkieh.....	Jan. 31.....	1	1	
Fayoum.....	Feb. 18-June 19.....	105	32	
Gharbia.....	Apr. 21-June 17.....	2	1	
Ghirga.....	Jan. 17-May 13.....	10	3	
Kalloubieh.....	Jan. 6-May 22.....	10	1	
Kena.....	Apr. 9-May 17.....	44	26	
Menoufieh.....	Jan. 2-June 12.....	48	31	
Mina.....	Feb. 5-June 26.....	39	20	
Greece:				
Kalamata.....				Reported July 15, 1924: Cases, 29; deaths, 6.
Patras.....	July 7.....	36	-----	
Saloniki.....	July 3-4.....	2	-----	
Hawaii.....				July 15, 1924: Near Kukulhaele, Island of Hawaii, 1 plague rat.
India.....				Apr. 20-June 28, 1924: Cases, 102,874; deaths, 84,656.
Do.....				June 29-July 26, 1924: Cases, 3,288; deaths, 2,988.
Bombay.....	May 4-June 21.....	50	44	
Do.....	June 29-Aug. 2.....	5	5	
Calcutta.....	May 11-June 14.....	10	10	
Karachi.....	May 18-June 21.....	16	13	
Do.....	Aug. 17-23.....	2	2	
Madras Presidency.....	May 18-31.....	7	2	
Do.....	Aug. 10-16.....	10	6	
Rangoon.....	May 11-June 28.....	77	72	
Do.....	June 29-Aug. 9.....	112	100	
Indo-China.....				Jan. 1-May 31, 1924: Cases, 706; deaths, 463.
Saigon.....	May 4-June 28.....	10	2	Including 100 square kilometers of surrounding country.
Do.....	July 20-Aug. 9.....	3	1	Do.
Iraq:				
Bagdad.....	Apr. 20-June 21.....	121	66	
Do.....	June 29-Aug. 9.....	7	4	
Japan:				
Shizuoka Prefecture—				
Higashi.....				To June 20, 1924: Cases, 2; death, 1.
Java:				
East Java—				
Soerabaya.....	June 18-21.....	14	14	
Madagascar:				
Diego Suarez.....	June 22-July 10.....	14	8	Seaport.
Moramanga.....	June 1-30.....	1	1	Interior.
Tamatave.....	June 6-30.....	5	4	Bubonic.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from June 28 to October 3, 1924—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Madagascar—Continued.				
Tananarive Province.				
Tananarive Town.	Apr. 1-June 30.	12	12	Apr. 1-June 30, 1924: Cases, 138; deaths, 128; bubonic, pneumonic, septicemic. July 1-15, 1924: Cases, 22; deaths, 22.
Do.	July 1-15.	3	3	Bubonic and pneumonic.
Other localities.	Apr. 1-June 30.	105	97	
Do.	July 1-15.	19	19	Bubonic, pneumonic, and septicemic.
Persia:				
Abadan.	May 1-31.	30	12	
Bander Abbas.	do.	11	6	
Bushire.	do.	1	1	Landed at quarantine.
Mohammerah.	do.	111	78	
Peru.				May 1-June 30, 1924: Cases, 9; deaths, 6.
Do.				July 1-31, 1924: Cases, 6; deaths, 3.
Callao.	June 1-30.	1		
Do.	July 1-31.	2		
Huaral.	June 1-30.	1		
Do.	July 1-31.	1		
Lima (city).	May 1-June 30.	5	5	
Lima (country).	do.	1		
Do.	July 1-31.		1	
Mollendo.	do.	1	1	
Russia:				
Don Cossack Territory—Salsky District.				Aug. 8, 1924: Reported present in marmots in 6 localities.
Siam:				
Bangkok.	May 4-June 14.	3	3	
Do.	July 13-Aug. 2.	2	2	
South Nigeria (West Africa):				
Lagos.	Sept. 8.			Present.
Syria:				
Beirut.	July 10-Aug. 10.	5		
Union of South Africa.				Apr. 27-June 7, 1924: Cases, 23; deaths, 14. Dec. 16, 1923, to May 31, 1924: Cases, 347; deaths, 208 (white, 51 cases, 26 deaths; native, 269 cases, 182 deaths).
Orange Free State.				May 11-June 14, 1924: Cases, 21; deaths, 9. June 22-28, 1924: Plague-infected mouse found in Kroonstad District.
Smithfield District.	July 13-19.	2		In natives on two farms.
On vessel:				
S. S. Amboise.	July 10.	1		At Marseille, France; removed to quarantine station. Case occurred in an Arab fireman embarked at Aden. Vessel left Yokohama May 30 and Colombo, Ceylon, June 22, 1924.

SMALLPOX.

Arabia:				
Aden.	July 20-26.		1	
Bolivia:				
La Paz.	May 1-June 30.	10	9	
Do.	July 1-31.	5	3	
Brazil:				
Bahia.	May 18-24.	1		
Porto Alegre.	May 18-Aug. 26.	1	5	
Rio de Janeiro.	May 18-24.	2		
Do.	July 20-Aug. 16.	2		
British East Africa:				
Kenya:				
Mombasa.	May 4-31.	3		
Tanganyika Territory.	June 15-21.	1		
Uganda:				
Entebbe.	Feb. 1-29.	2		
British South Africa:				
Northern Rhodesia.	May 6-June 30.	74	1	Natives.
Do.	July 1-28.	30		

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports received from June 28 to October 3, 1924—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Canada:				
British Columbia—				
Vancouver.....	June 15-28.....	11		
Do.....	June 29-Sept. 6.....	33		Not including suburbs.
Victoria.....	Aug. 3-9.....	1		
Manitoba—				
Winnipeg.....	July 13-Aug. 1.....	3		
New Brunswick—				
Restigouche County.....	June 1-30.....	7		
Do.....	July 6-Sept. 6.....	21		
Westmoreland County.....	Aug. 17-23.....	1		
Ontario.....				June 1-30, 1924: Cases, 24. July 1-31: Cases, 7.
Sarnia.....	July 20-26.....	1		
Windsor.....	June 22-28.....	1		
Quebec—				
Montreal.....	June 8-14.....	1		
Ceylon:				
Colombo.....	July 6-12.....	1		
Chile:				
Antofagasta.....	June 11.....			Under treatment at lazaretto, 2 cases.
Do.....	Aug. 24-30.....	1		
Valparaiso.....	June 1-7.....		1	This report covers the two principal districts of Valparaiso.
China:				
Amoy.....	May 11-June 28.....			Present.
Do.....	June 29-Aug. 16.....			Do.
Antung.....	June 9-29.....	41	3	
Do.....	July 7-13.....	4		
Chungking.....	May 11-June 28.....			Do.
Do.....	June 29-Aug. 16.....			Do.
Foochow.....	May 18-June 28.....			Do.
Do.....	July 6-12.....			Do.
Hongkong.....	May 4-June 28.....	30	24	
Do.....	June 29-July 12.....	3	3	
Manchuria—				
Dairen.....	May 12-June 28.....	22	7	
Do.....	June 29-Aug. 10.....	4	1	
Harbin.....	May 13-June 23.....	2		
Nanking.....	May 18-June 28.....			Do.
Do.....	July 6-Aug. 16.....			Do.
Shanghai.....	May 25-31.....		1	
Tientsin.....	May 4-June 28.....	11	1	British municipality.
Chosen:				
Fusan.....	May 1-31.....	1		
Do.....	July 25-31.....	1		
Colombia:				
Barranquilla.....	Aug. 3-9.....		1	
Czechoslovakia:				Apr. 1-June 30, 1924: Cases, 7; deaths, 2.
State—				
Bohemia.....	Apr. 1-June 30.....	6	2	
Russia.....	do.....	1		
Denmark:				
Copenhagen.....	May 18-31.....	3	1	
Egypt:				
City—				
Alexandria.....	June 4-10.....	1		
Cairo.....	Feb. 19-May 27.....	120	32	
Port Said.....	June 18-24.....	1	2	
Do.....	June 25-July 8.....	3		
France:				
Limoges.....	Apr. 1-May 31.....		2	
Marseille.....	May 1-31.....		1	
Paris.....	May 21-31.....	2		
Gibraltar.....	July 21-Aug. 31.....	4		
Great Britain:				
England and Wales.....				May 25-June 28, 1924: Cases, 342. June 29-July 26, 1924: Cases, 213.
Counties—				
Derby.....	May 25-June 28.....	159		
Do.....	June 29-July 26.....	66		
London.....	do.....	1		
Liverpool.....	Aug. 28.....	1		Mild. Admitted to port hospital from Lower Bebington District, 2 miles from docks.
Northumberland.....	May 25-June 28.....	61		
Do.....	June 29-July 26.....	39		
Nottingham.....	May 25-June 28.....	29		
Do.....	June 29-July 26.....	32		
Sheffield.....	Aug. 25-31.....	1		
Yorks (North Riding).....	May 25-June 28.....	54		
Do.....	June 29-July 26.....	27		
Yorks (West Riding).....	May 25-June 28.....	5		
Do.....	June 29-July 26.....	27		

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports received from June 28 to October 3, 1924—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Greece:				
Saloniki.....	Apr. 21-June 15.....	7	9	
Haiti:				
Port au Prince.....	July 6-12.....	2		Developed at Cape Haitien.
Hungary:				
Budapest.....	July 20-Aug. 2.....	11		
India:				
Do.....				Apr. 20-June 28, 1924: Cases, 28,306; deaths, 6,753.
Bombay.....	May 4-June 28.....	432	299	June 29-July 26, 1924: Cases, 5,814; deaths, 1,576.
Do.....	June 29-Aug. 9.....	147	94	
Calcutta.....	May 11-June 28.....	36	32	
Do.....	July 6-Aug. 23.....	45	30	
Karachi.....	May 18-June 23.....	51	18	
Do.....	June 29-Aug. 23.....	20	12	
Madras.....	May 18-June 28.....	32	10	
Do.....	June 29-Aug. 23.....	84	29	
Rangoon.....	May 11-June 28.....	53	21	
Do.....	June 29-Aug. 9.....	21	7	
Indo-China:				
Saigon.....	Apr. 27-June 28.....	145	79	Jan. 1-May 31, 1924: Cases, 4,700; deaths, 1,353.
Do.....	June 29-Aug. 2.....	43	16	Including 100 sq. km. of surrounding country.
Iraq:				
Bagdad.....	Apr. 20-May 24.....	8	1	Do.
Do.....	July 27-Aug. 2.....	1		
Italy:				
Messina.....	May 26-June 1.....	1		
Jamaica:				
Kingston.....	June 1-28.....	6		June 1-28, 1924: Cases, 141. June 29-Sept. 6, 1924: Cases, 193. (Reported as alastrim.)
Do.....	June 29-Sept. 6.....	16		Reported as alastrim.
Japan:				
Kobe.....	May 26-June 21.....	3		Do.
Nagoya.....	June 8-14.....	2		
Tokyo.....	do.....	1		
Java:				
East Java—				
Madoera Residency—				
Sampang.....	May 22.....			Epidemic.
Malang.....	May 25-31.....	5	1	
Paseroean Residency.....	July 4.....			Do.
Socrabaya.....	Apr. 13-June 28.....	501	143	
Do.....	June 29-July 26.....	163	45	Epidemic Aug. 5, 1924.
West Java—				
Batavia.....	May 31-June 27.....	3		
Do.....	July 6-12.....	1		
Latvia:				
Mexico:				
Durango.....	June 1-30.....		2	
Guadalajara.....	May 1-June 30.....	9	4	
Do.....	July 8-14.....		1	
Mexico City.....	May 4-June 28.....	96		Including municipalities in Federal district.
Do.....	June 29-Aug. 30.....	53		Do.
Salina Cruz.....	May 25-31.....	1	1	
Tampico.....	June 14-20.....	2		
Do.....	July 1-Aug. 20.....	8	7	
Tuxtepec.....	July 3-18.....	3	1	State of Oaxaca.
Palestine:				
Samaria Province—				
Samak.....	May 27-June 2.....	1		June 17-23, 1924: 20 cases in northern district.
Paraguay:				
Asuncion.....	June 2.....			Present.
Encarnacion.....	do.....			Many cases reported.
Persia:				
Bushire.....	June 1-30.....	2		
Peru:				
Arequipa.....	Jan. 1-June 30.....		5	
Poland:				
Do.....				Mar. 30-June 28, 1924: Cases, 299; deaths, 27.
				June 29-July 26, 1924: Cases, 17; deaths, 5.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports received from June 28 to October 3, 1924—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Portugal:				
Lisbon.....	May 25-June 28....	7	2	
Do.....	June 29-Aug. 23....	15	1	
Oporto.....	May 11-June 28....	18	16	
Do.....	June 29-Sept. 6....	20	19	
Russia:				Jan. 1-31, 1924: 2,243 cases.
Siam:				
Bangkok.....	Apr. 27-June 14....	3	5	
Spain:				Year 1923: Cases, 160.
Barcelona.....	July 31-Aug. 6....		1	
Cadiz.....	June 1-30.....		5	
Do.....	July 1-31.....		28	
Malaga.....	June 29-Sept. 6....		23	
Santander.....	Aug. 24-30.....		4	
Valencia.....	June 8-21.....	3		
Do.....	July 13-19.....	1		
Vigo.....	Aug. 17-23.....		1	
Straits Settlements:				
Singapore.....	May 4-24.....	2	1	
Sumatra:				
Medan.....	Jan. 1-31.....	5		
Switzerland:				
Berne.....	May 25-June 28....	22		
Do.....	June 29-July 26....	9		
Lucerne.....	Aug. 1-31.....	12		
Syria:				
Damascus.....	May 28-June 12....	12		
Do.....	Aug. 7-13.....	6		
Tunis:				
Tunis.....	May 27-June 30....	17	4	
Do.....	July 1-Sept. 1....	9	12	
Turkey:				
Constantinople.....	June 1-7.....	1		
Do.....	Aug. 17-23.....	1		
Union of South Africa:				Mar. 1-June 30, 1924: Cases, 167 (white, 15; native, 152). June 29-July 5, 1924: Outbreaks.
Cape Province.....	May 4-31.....			Outbreaks.
Do.....	July 20-Aug. 2.....			Do.
East London.....	July 27-Aug. 2.....	1		
Orange Free State.....	May 4-10.....			Do.
Transvaal.....	May 4-31.....			Do.
Do.....	July 20-26.....			Do.
Johannesburg.....	July 6-12.....	1		
Yugoslavia:				
Belgrade.....	July 23-Aug. 3.....	1		Do.
On vessels:				
S. S. Karoo.....	May 7.....	1		At Durban, South Africa, from Bombay, India. Vessel left Bombay Apr. 16, 1924. Patient, European.
S. S. Mount Evans.....	July 8.....	1		At Key West, Fla., from Manchester, England.

TYPHUS FEVER.

Algeria:				
Algiers.....	May 1-June 30....	24	9	Year 1923: Cases, 1,166, of which 27 were in the military population.
Do.....	July 1-31.....	1		
Bolivia:				
La Paz.....	do.....		1	
Brazil:				
Porto Alegre.....	June 1-7.....		1	
Bulgaria:				
Sofia.....	Aug. 17-23.....	1		
Chile:				
Antofagasta.....				June 16, 1924: 2 cases in Lazaretto.
Concepcion.....	May 20-26.....		3	
Do.....	July 8-21.....		3	
Iquique.....	June 22-28.....		1	
Talcahuano.....	May 25-31.....	2		
Do.....	June 29-Aug. 30....	16	17	
Valparaiso.....	May 25-June 21....		11	Aug. 30, 1924: 53 cases reported present.
Do.....	June 29-Aug. 30....		27	

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports received from June 28 to October 3, 1924—Continued.

TYPHUS FEVER—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
China:				
Antung.....	June 2-16.....	6		
Chungking.....	May 11-June 14.....			Present.
Chosen:				
Chemulpo.....	May 1-June 30.....	10		
Do.....	July 1-31.....	6	2	
Seoul.....	May 1-June 30.....	43	5	
Do.....	July 1-31.....	2		
Czechoslovakia:				
State.....				Apr. 1-June 30, 1924: Cases, 6.
Slovakia.....	Apr. 1-June 30.....	4		
Egypt:				
Alexandria.....	June 25-Aug. 5.....	4		
Cairo.....	Feb. 19-May 20.....	38	9	
Port Said.....	July 24-Aug. 5.....	3		
Estonia.....				Apr. 1-June 30, 1924: Cases, 37.
Germany:				
Coblenz.....	July 13-19.....	2		
Great Britain:				
England—				
St. Helens.....	Aug. 7-Sept. 8.....	5		One suspect case; July 10, 1924. Locality, vicinity of Liverpool.
Ireland—				
Dublin.....	June 8-14.....	1		
Do.....	July 13-19.....	1		
Lismore.....	July 19.....	1		
Longford.....	do.....	1		
Greece:				
Saloniki.....	Apr. 20-May 4.....	6		
Iraq:				
Bagdad.....	Apr. 27-May 10.....	2		
Do.....	Aug. 3-9.....	1		
Latvia:				Apr. 1-June 30, 1924: Cases, 108.
City—				
Riga.....	June 1-30.....	1		
Mexico:				
Durango.....	July 1-31.....		2	
Guadalajara.....	May 1-June 30.....	2	2	
Mexico City.....	May 4-June 28.....	59		Including municipalities in Federal district.
Do.....	June 29-Aug. 30.....	72		Do.
Torreon.....	July 1-Aug. 31.....		4	
Palestine:				
Acre.....	Aug. 19-25.....	1		
Jaffa.....	June 17-23.....	1		
Do.....	July 8-Aug. 25.....	2		
Jerusalem.....	July 1-Aug. 25.....	5		
Kantara.....	July 15-21.....	1		
Khulde.....	Aug. 17.....	1		
Tiberias.....	Aug. 19-25.....	1		
Peru:				
Arequipa.....	Jan. 1-June 30.....		4	
Do.....	July 1-31.....		1	
Poland:				Mar. 30-June 28, 1924: Cases, 2,947; deaths, 277.
Do.....				June 29-July 26, 1924: Cases, 265; deaths, 19.
Portugal:				
Oporto.....	June 15-21.....		1	
Russia:				Jan. 1-31, 1924: 14,275 cases.
Spain:				
Barcelona.....	July 10-16.....		1	
Syria:				
Aleppo.....	June 8-14.....	1		
Damascus.....	July 14-20.....	1		
Tunis:				
Tunis.....	May 27-June 9.....	4		
Turkey:				
Constantinople.....	May 18-June 21.....	7	2	
Do.....	July 6-Aug. 16.....	4	1	
Union of South Africa:				Mar. 1-June 30, 1924: Cases, 418; deaths, 45.
Cape Province.....				Mar. 1-June 30, 1924: Cases, 249; deaths, 23.
Do.....				July 6-12: Outbreaks.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**Reports received from June 28 to October 3, 1924—Continued.****TYPHUS FEVER—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Union of South Africa—Con.				
Natal.....				Mar. 1-June 30, 1924: Cases, 27; deaths, 5.
Do.....	July 6-Aug. 2.....			Outbreaks.
Durban.....	Apr. 20-June 28.....	2		
Orange Free State.....				Mar. 1-June 30, 1924: Cases, 83; deaths, 11.
Do.....				June 1-July 5: Outbreaks.
Transvaal.....				Mar. 1-May 31, 1924: Cases, 39; deaths, 5.
Johannesburg.....	May 11-24.....	2		
Do.....	June 29-July 26.....	2		

YELLOW FEVER.

Brasil:				
Pernambuco.....	May 11-17.....	2	1	
Salvador:				
San Salvador.....	June 10-Aug. 25.....			Present in San Salvador and vicinity.